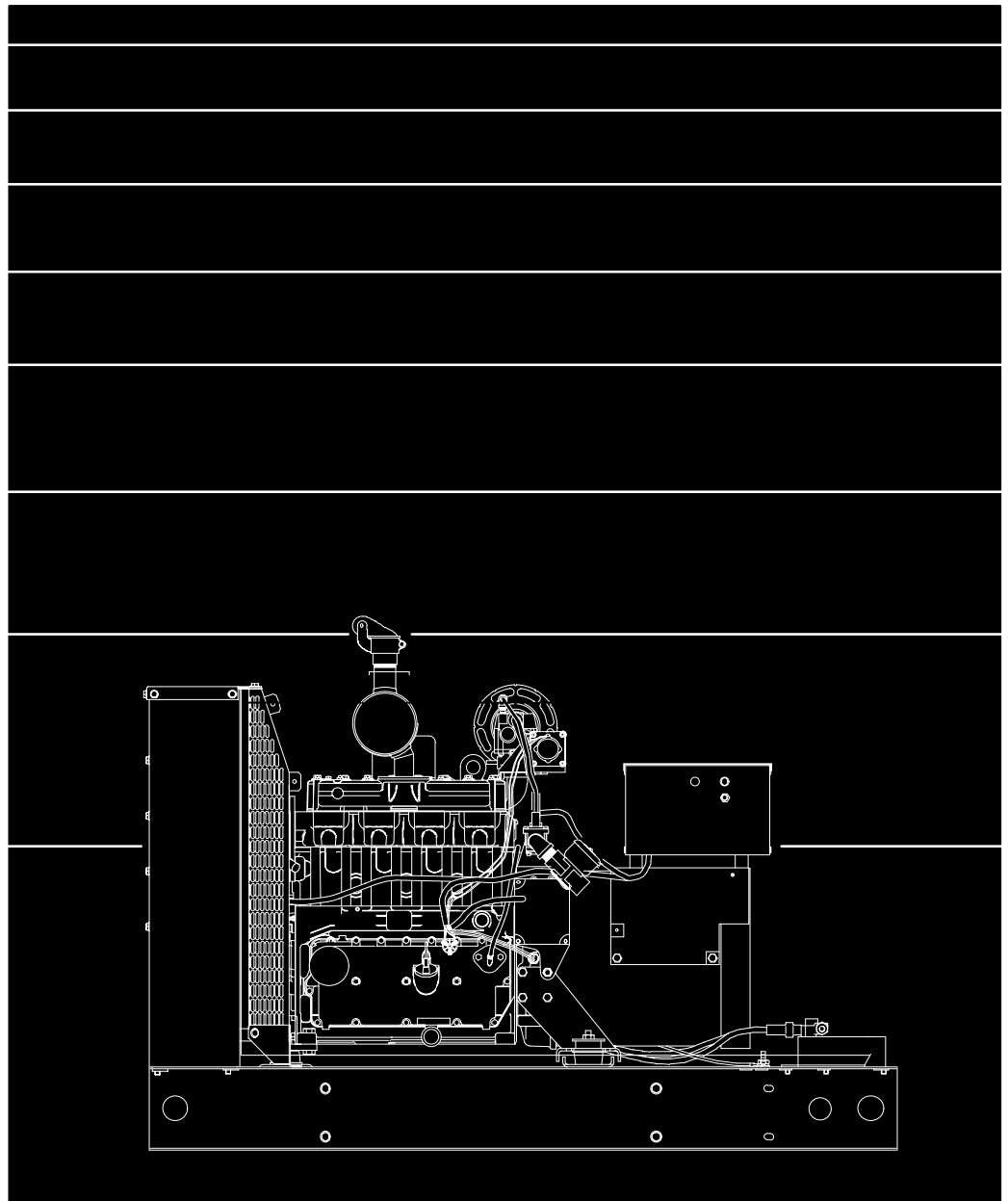




Parts Catalog

GNAA GNAB GNAC

Generator Set



Printed in U.S.A.

967-0202B
12-99 (Spec A-B)

Replaces 967-0202 (Spec A-B) 11-97

MODEL IDENTIFICATION

To avoid errors or delay in filling your parts order, always give the MODEL, SPEC NO. and SERIAL NO. from the Onan nameplate.

For handy reference, insert your nameplate information in the spaces below.

MODEL AND SPEC NO.

SERIAL NO.

DIGITAL CONTROL SOFTWARE VERSION
AND DATE (IF APPLICABLE)

SAFETY PRECAUTIONS

The following symbols are used in Onan manuals to alert users to the potentially dangerous conditions relating to maintenance of equipment and replacement of parts. Please read and observe.



This symbol warns of immediate hazards which will result in severe personal injury or death.



This symbol refers to a hazard or unsafe practice which can result in severe personal injury or death.



This symbol refers to a hazard or unsafe practice which can result in severe personal injury or product or property damage.

PRODUCT SAFETY PRECAUTIONS



Service and repair of Onan equipment must be performed by trained, experienced personnel only. Improper service or repair may result in property damage, severe personal injury or death. Do not use this catalog as a guide to servicing your equipment. Read and follow the IMPORTANT SAFETY INSTRUCTIONS in the Service Manual appropriate for the equipment you are working on.



Contact with USED ENGINE OILS has been identified by a United States federal agency and some USA state agencies as causing CANCER or REPRODUCTIVE TOXICITY. When checking or changing engine oils take all necessary precautions not to ingest, breathe the fumes or contact the used oil.



Contact with ASBESTOS has been identified by a United States federal agency and some USA state agencies as causing CANCER or REPRODUCTIVE TOXICITY. When handling engine gaskets take all necessary precautions not to ingest, breathe or contact the dust from the gaskets! Use adequate ventilation and wear protective gloves, masks and clothing!



Contact with BENZINE and LEAD, found in gasoline, fuel additives and solvents has been identified by a United States federal agency and some USA state agencies as causing CANCER or REPRODUCTIVE TOXICITY. When checking, draining or adding gasoline and fuel additives or using solvents take all necessary precautions not to ingest, breathe the fumes or contact the liquids. Use adequate ventilation and wear protective gloves, masks and protective clothing!

Introduction

This parts catalog applies to the standard generator sets listed below. Parts are arranged in groups of related items and each illustrated part is defined by a reference number corresponding to the same reference number in the parts list. Parts illustrations are typical. Using the model and specification number from your generator set nameplate, select parts that apply to your set. Right and left sides are determined by facing the engine end (front) of the set.

Generator Set Data Table

Model Identification	Watts	Volts	Hertz	Wire	Phase	Battery Voltage
5.5GNAA/*	5500	Reconnectible	50	4/12	1/3	12V
7.0GNAA/*	7000	Reconnectible	60	4/12	1/3	12V
9.0GNAB/*	9000	Reconnectible	50	4/12	1/3	12V
11.5GNAB/*	11500	Reconnectible	60	4/12	1/3	12V
12.5GNAC/*	12500	Reconnectible	50	4/12	1/3	12V
16.0GNAC/*	16000	Reconnectible	60	4/12	1/3	12V

* – The specification number denotes customer requested options or deviations from a standard (1A, 1B, etc.) model. The specification letter advances (A, to B, to C, etc.) with major manufacturing changes

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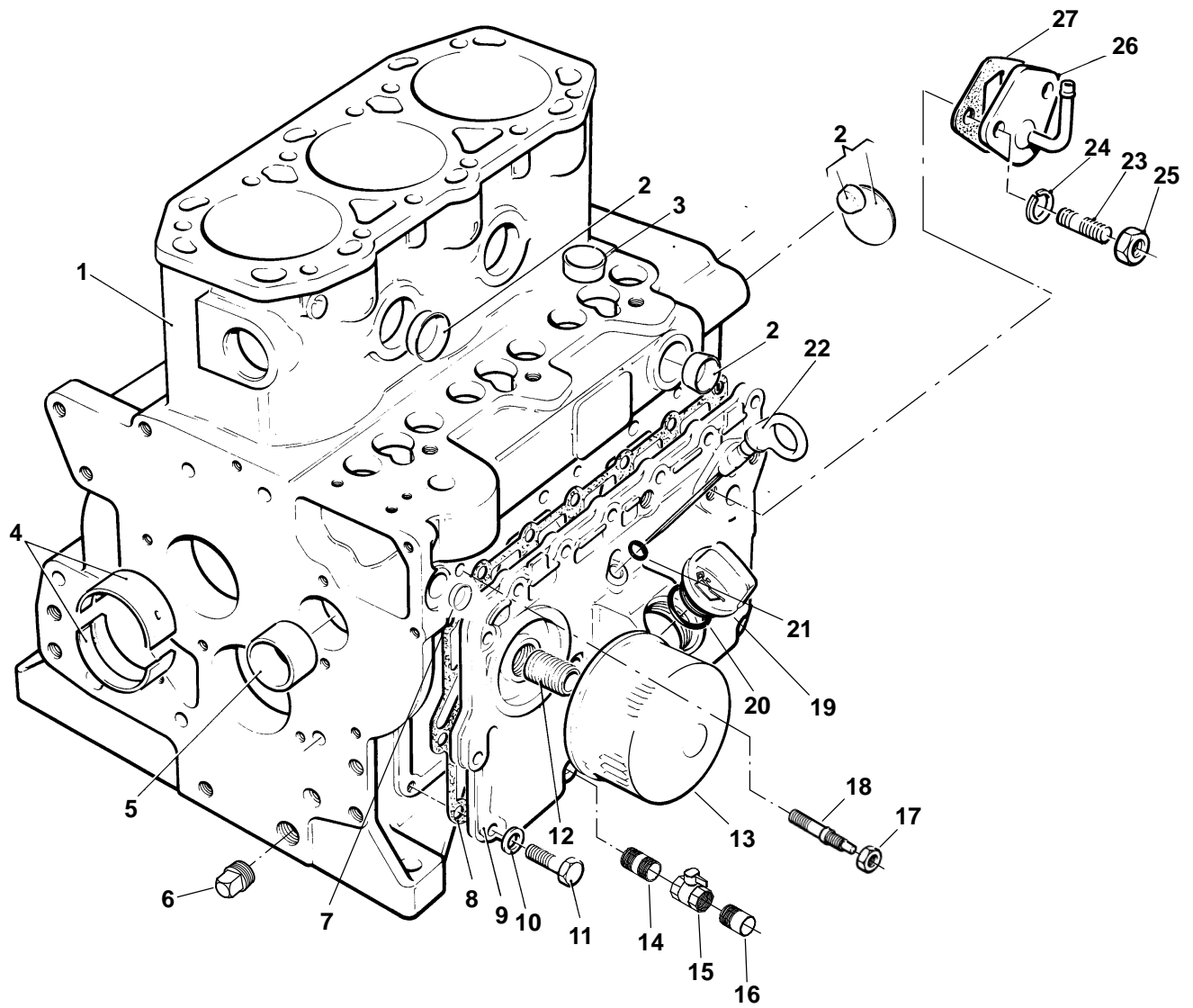
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Cylinder Block

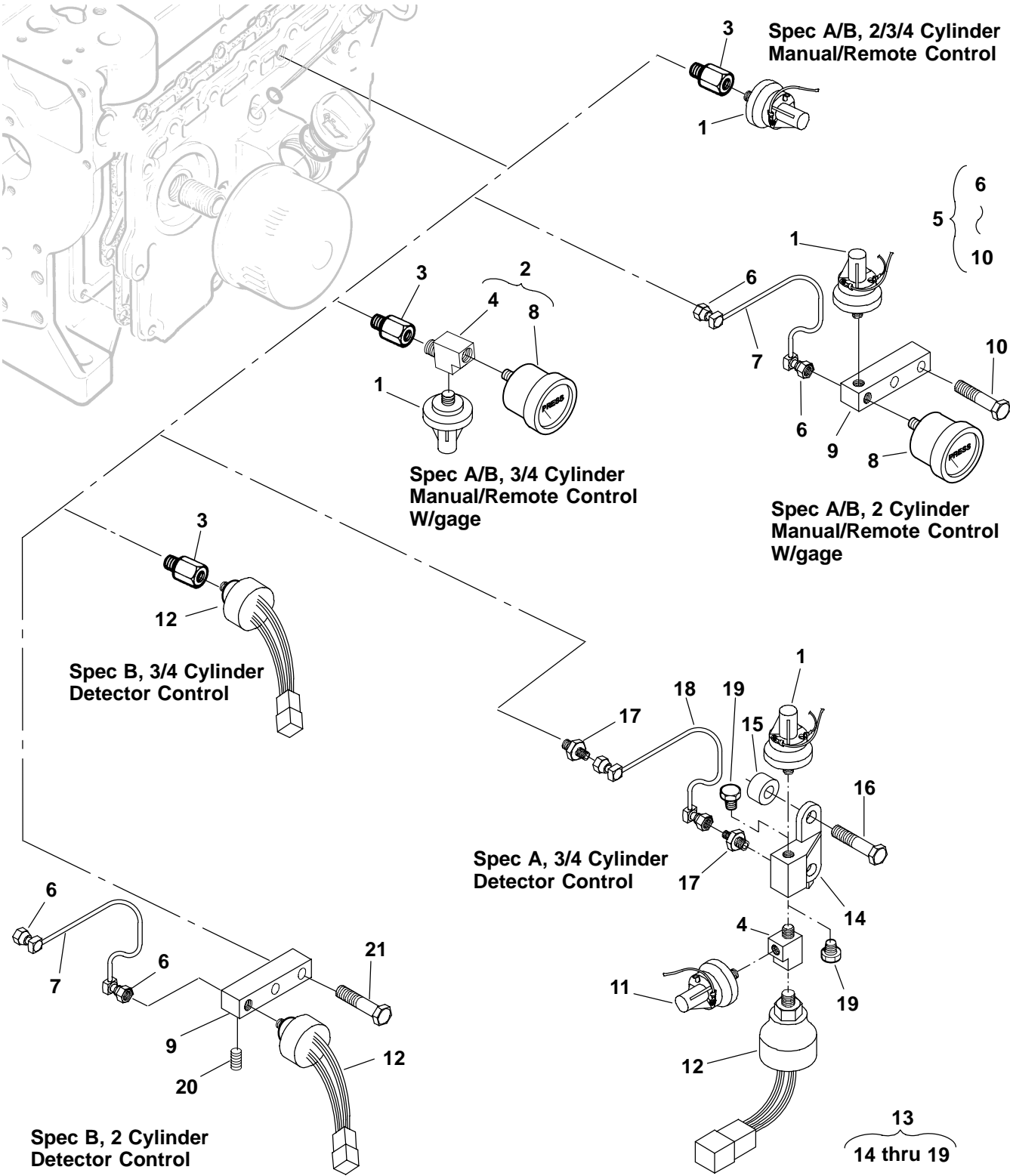


Cylinder Block

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Engine, Replacement	10			Washer (M6)
			Spec A	186-6015	11		GNAA
	100-3479-02	1	GNAA	186-6015	15		GNAB
	100-3480-02	1	GNAB	186-6015	19		GNAC
	100-3481-02	1	GNAC	11			Bolt, (M6 x 1 x 25mm)
			Begin Spec B	186-6014	9		GNAA
			GNAA	186-6014	12		GNAB
	100-3584-02		Natural Gas	186-6014	15		GNAC
	100-3584-04		Propane	12	186-6021	1	Adapter, Oil Filter
			GNAB	13	186-6025	1	Filter, Oil
	100-3585-02		Natural Gas	14	186-6614	1	Nipple, Pipe (1/2" x 1-3/4")
	100-3585-04		Propane	15	186-6613	1	Valve, Ball (1/2")
			GNAC	16	186-6629	1	Nipple (1/2")
	100-3586-02		Natural Gas	17			Nut (M6 x 1)
	100-3586-04		Propane	186-6209	2		GNAA
1			Block Assy, Cylinder (Includes	186-6209	3		GNAB
			Parts Marked *)	186-6209	4		GNAC
	186-6988	1	GNAA	18			Stud
	186-7011	1	GNAB	186-6250	2		GNAA
	186-7012	1	GNAC	186-6250	3		GNAB
2	186-6002	1	*Kit, Expansion Plug	186-6250	4		GNAC
3			*Plug	19	186-6023	1	Cap, Oil Fill
	186-6991	2	GNAA	20	186-6024	1	O'Ring
	186-6991	3	GNAB	21	186-6029	1	O'Ring
	186-6991	4	GNAC	22			Dipstick, Oil (Includes O'Ring)
4			*Bearing, Gear End Main	186-6026	1		GNAA
	186-6003	1	Standard	186-6410	1		GNAB, GNAC
	186-6004	1	0.25mm Undersize	23	186-6796	2	Stud (M8 x 35mm)
	186-6005	1	0.50mm Undersize	24	186-6529	2	Washer, Spring (M8)
5	186-6006	1	*Bearing, Gear End Camshaft	25	186-6274	2	Nut, Hex (M8 x 1.25)
6	186-6007	1	*Plug, 3/8"	26	186-7051	1	Bracket, Breather Drain Hose
7	186-6995	1	*Plug	27	186-6017	1	Gasket
8			Gasket, Side Cover				
	186-6010	1	GNAA				
	186-6405	1	GNAB				
	186-6012	1	GNAC				
9			Cover, Side (Includes Bearing)				
	186-6401	1	GNAA				
	186-6402	1	GNAB				
	186-6403	1	GNAC				

* – Parts Included in Cylinder Block Assy.

Oil Pressure System

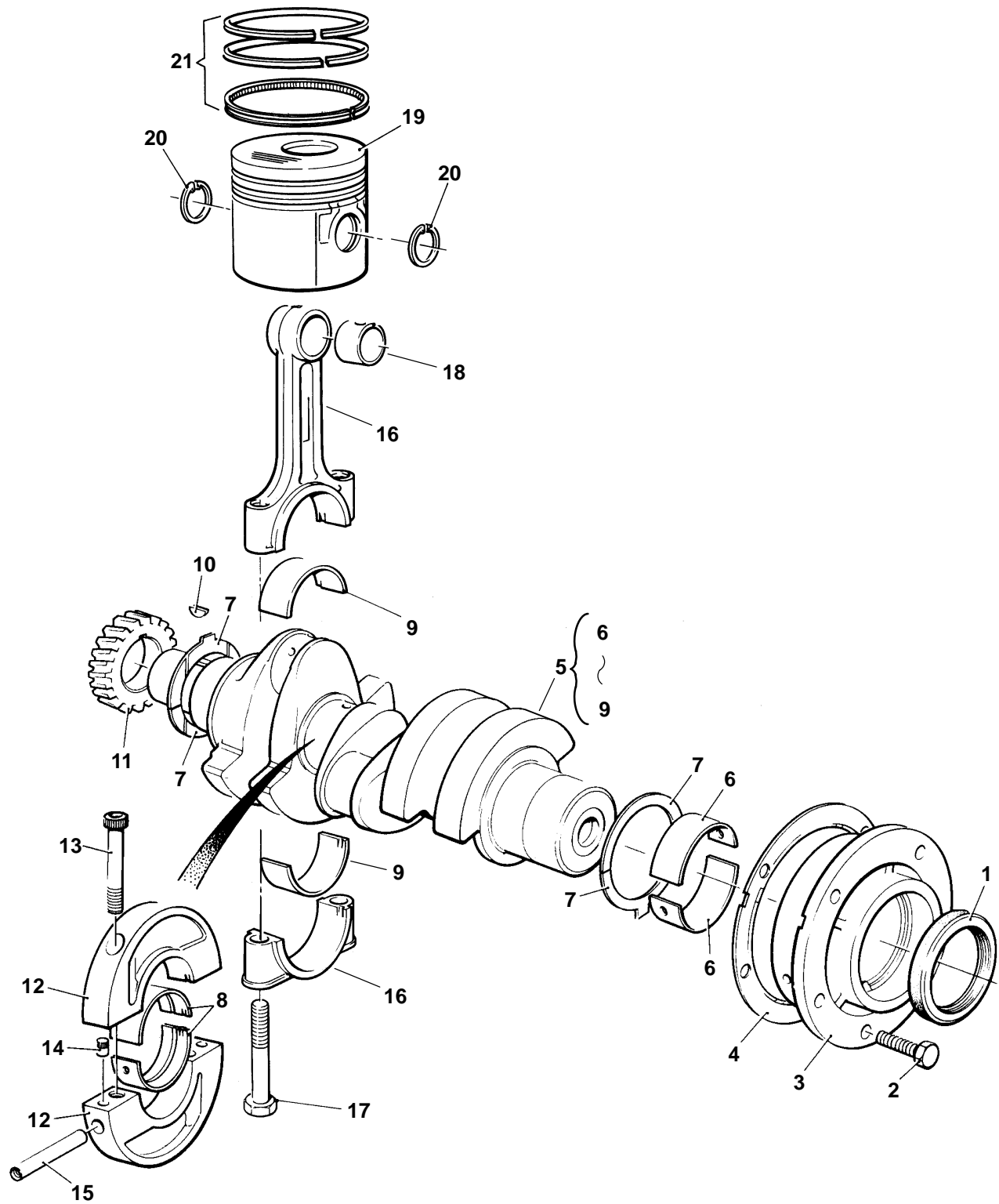


Oil Pressure System

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	186-6580	1	Switch, Oil Pressure Shutoff (5psi)	12	193-0448	1	Sender, Oil Pressure (Used With Detector Control)
2	193-0474	1	Kit, Oil Pressure Gauge (Includes Street Tee and Gauge) (GNAB)	13	186-6803	1	Block Assy, Oil Distribution (Includes Parts Marked °) (Used With Detector Control)
3	186-6253	1	Adapter, Oil Pressure Switch	14	186-6806	1	°Block, Oil Distribution
4	186-6297	1	Tee, 1/8 NPT Street	15	186-6808	2	°Spacer
5	193-0478	1	Kit, Oil Pressure Gauge (GNAA) (Includes Parts Marked +)	16	186-6526	2	°Screw, Hex Head Cap (M10 x 30mm)
6	186-7028	2	+Elbow (1/8 NPT) (GNAA)	17	186-6801	2	°Union
7	186-7039	1	+Tube, Copper (GNAA)	18	186-6807	1	°Hose
8	186-6986	1	+Gauge, Oil Pressure	19	186-6022	2	°Plug
9	186-7037	1	+Block, Oil Distribution (GNAA)	20	505-0057	1	Plug, 1/8 NPT
10	186-7045	2	+Screw, Hex Head Cap (GNAA) (M10 x 1.5 x 55mm)	21	800-2090	1	Screw, Hex Head Cap (M10 x 1.5 x 45mm)
11	186-6968	1	Switch, Oil Pressure Warning (9 psi) (Used With Detector Control)				

+ – Parts Included in Oil Pressure Gauge Kit.
° – Parts Included in Oil Distribution Block Assy.

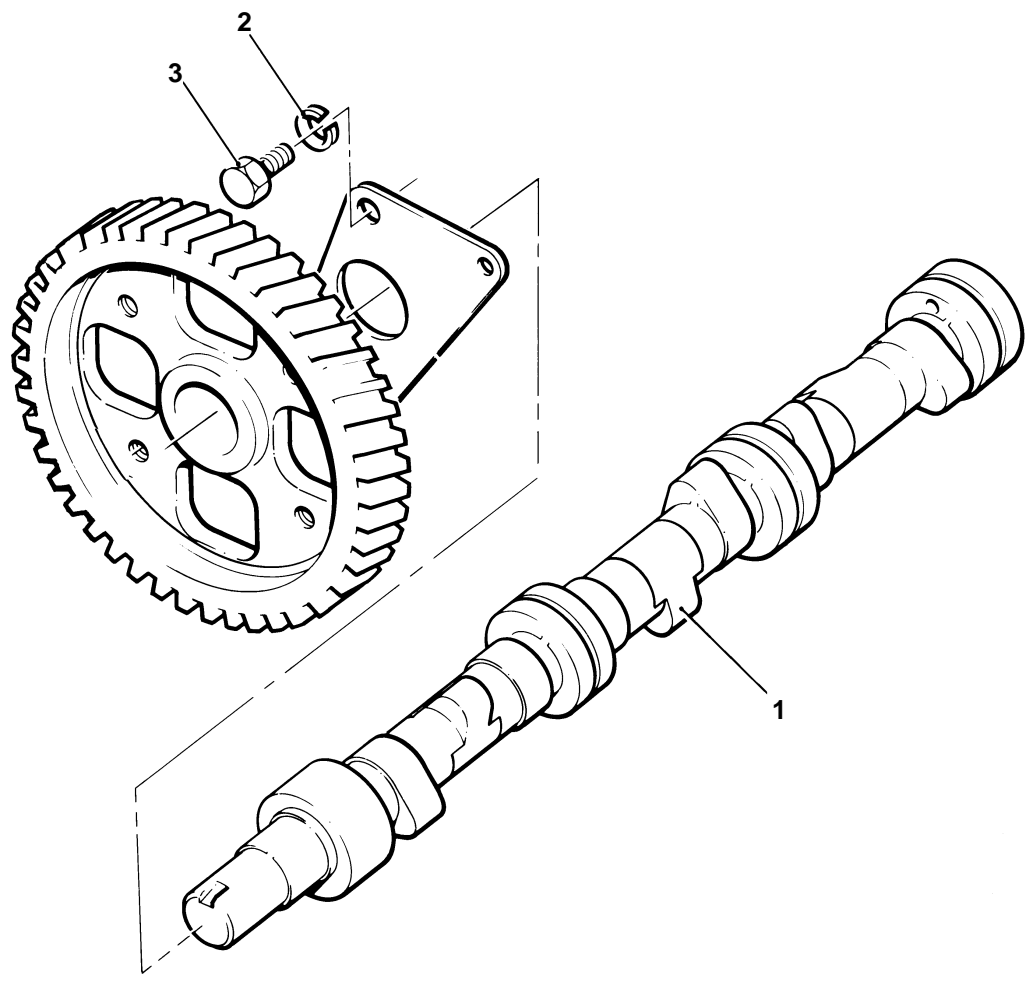
Crankshaft



Crankshaft

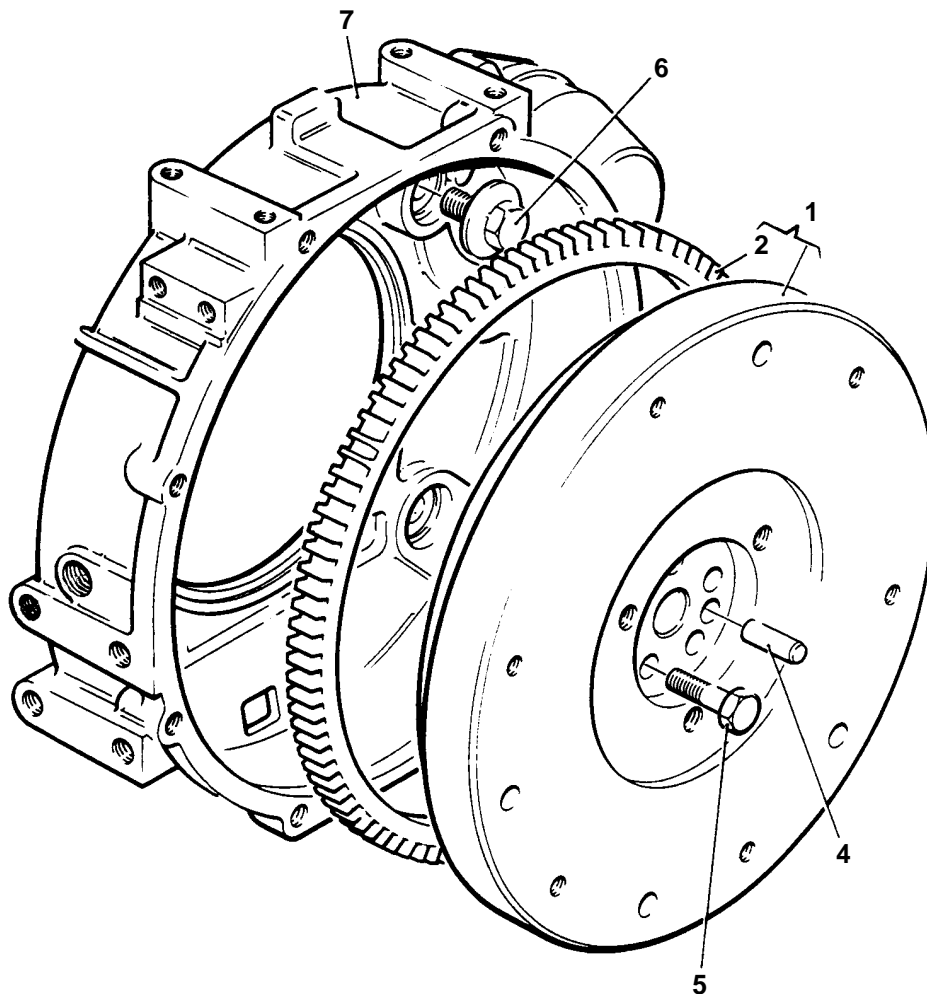
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	186-6063	1	Seal, Oil		186-6050	6	GNAC
2	186-6064	5	Screw, Hex Head Cap (M8 x 1.25 x 20mm)	14			Dowel
3	186-6058	1	Housing, Main Bearing		186-6049	2	GNAA
4			Shim		186-6049	4	GNAB
	186-6065	AR	.38mm		186-6049	6	GNAC
	186-6066	AR	.50mm	15			Tube, Locating
5			Crankshaft Assy (Includes Parts Marked *)		186-6057	1	GNAA
	186-6046	1	GNAA		186-6057	2	GNAB
	186-6420	1	GNAB		186-6057	3	GNAC
	186-6047	1	GNAC	16			Rod Assy, Connecting (Includes Rod, Bolt and Small Bearing)
6			*Bearing Set, Flywheel End Main		186-6078	2	GNAA
	186-6060	1	Standard		186-6078	3	GNAB
	186-6061	1	0.25 mm Undersize		186-6078	4	GNAC
	186-6062	1	0.50 mm Undersize	17			Bolt, Connecting Rod
7	186-6056	1	*Washer Set, Thrust		186-6079	4	GNAA
8			*Bearing, Center		186-6079	6	GNAB
			GNAA		186-6079	8	GNAC
	186-6051	1	Standard	18			Bearing, Small
	186-6052	1	.25mm		186-6080	2	GNAA
	186-6053	1	.50mm		186-6080	3	GNAB
			GNAB		186-6080	4	GNAC
	186-6051	2	Standard	19			+ Piston Assy (Includes Pin, Piston, Circlip and Ring Set)
	186-6052	2	.25mm				Standard
	186-6053	2	.50mm		186-7025	2	GNAA
			GNAC		186-7025	3	GNAB
	186-6051	3	Standard		186-7025	4	GNAC
	186-6052	3	.25mm				.50mm Oversize
	186-6053	3	.50mm		186-7024	2	GNAA
9			*Bearing, Large		186-7024	3	GNAB
			Standard		186-7024	4	GNAC
	186-6081	2	GNAA	20			Circlip
	186-6081	3	GNAB		186-6072	4	GNAA
	186-6081	4	GNAC		186-6072	6	GNAB
			.25mm Undersize		186-6072	8	GNAC
	186-6082	2	GNAA	21			Ring Set, Piston
	186-6082	3	GNAB				Standard
	186-6082	4	GNAC		186-6073	2	GNAA
			.50mm Undersize		186-6073	3	GNAB
	186-6083	2	GNAA		186-6073	4	GNAC
	186-6083	3	GNAB				.50mm Oversize
	186-6083	4	GNAC		186-6075	2	GNAA
10	186-6055	1	Key		186-6075	3	GNAB
11	186-6054	1	Pinion, Crankshaft		186-6075	4	GNAC
12			Housing, Center Bearing (Includes Cap Screw and Dowel)				1.00mm Oversize
	186-6048	1	GNAA		186-6077	2	GNAA
	186-6048	2	GNAB		186-6077	3	GNAB
	186-6048	3	GNAC		186-6077	4	GNAC
13			Screw, Cap (M8 x 50mm)	* – Parts Included in Crankshaft Assy.			
	186-6050	2	GNAA	+ – Piston Pin Not For Sale Separately.			
	186-6050	4	GNAB				

Camshaft



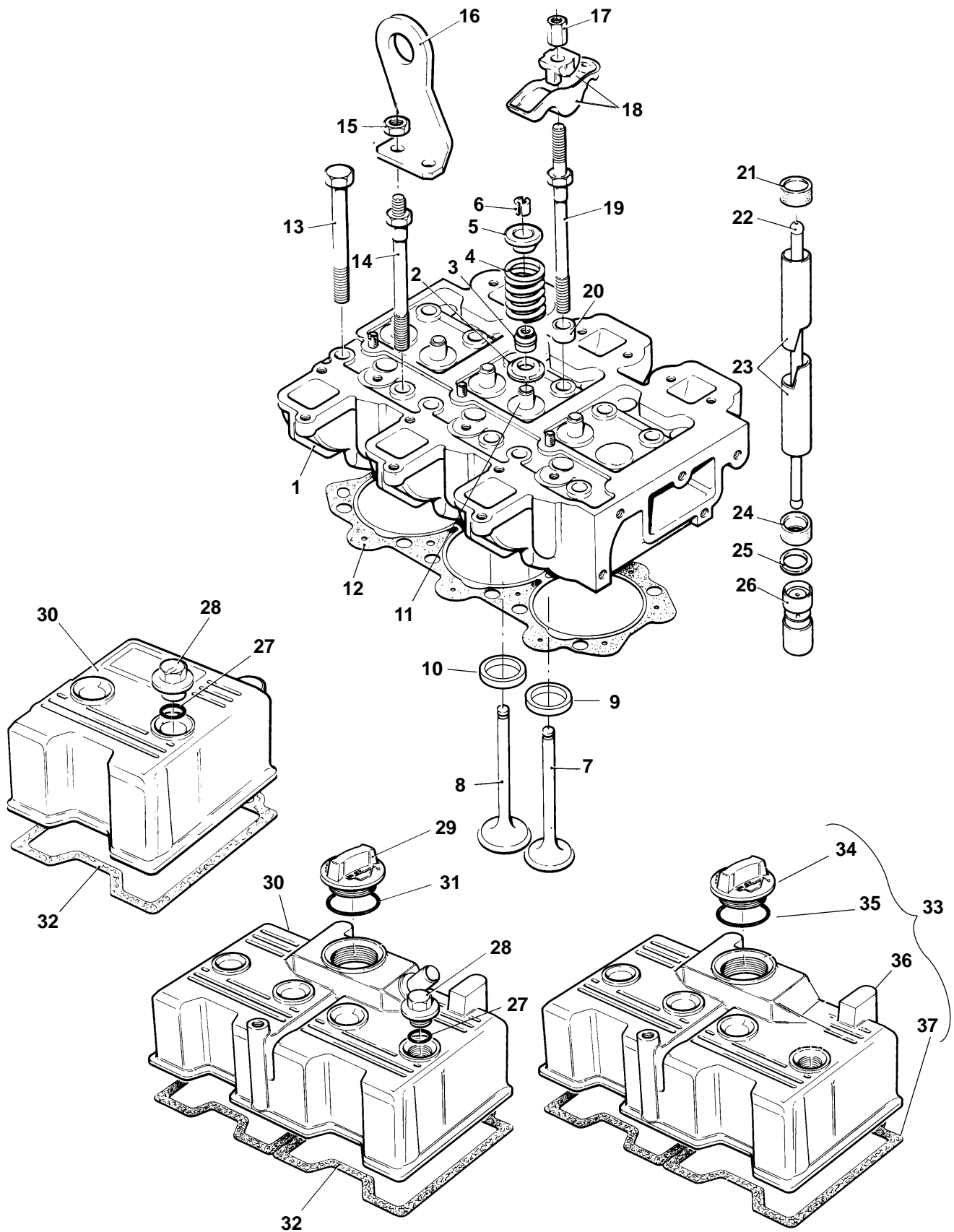
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Camshaft Assy (Includes Gearwheel & Thrust Plate)	2	186-6038	2	Washer, Spring (M6)
	186-6035	1	GNAA	3	186-6037	2	Screw, Set (M6 x 12mm)
	186-6416	1	GNAB				
	186-6036	1	GNAC				

Flywheel



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	186-7010	1	Flywheel (Includes Ring Gear)	6	186-6198	4	Screw, Self-Lock Set (M12 x 25mm)
2	186-6460	1	Gear, Ring	7	186-6466	1	Housing, Flywheel
3	186-6463	1	Plug, Banking				
4	186-6461	1	Dowel				
5	186-6462	5	Screw, Hex Head Cap (M10 x 35mm)				

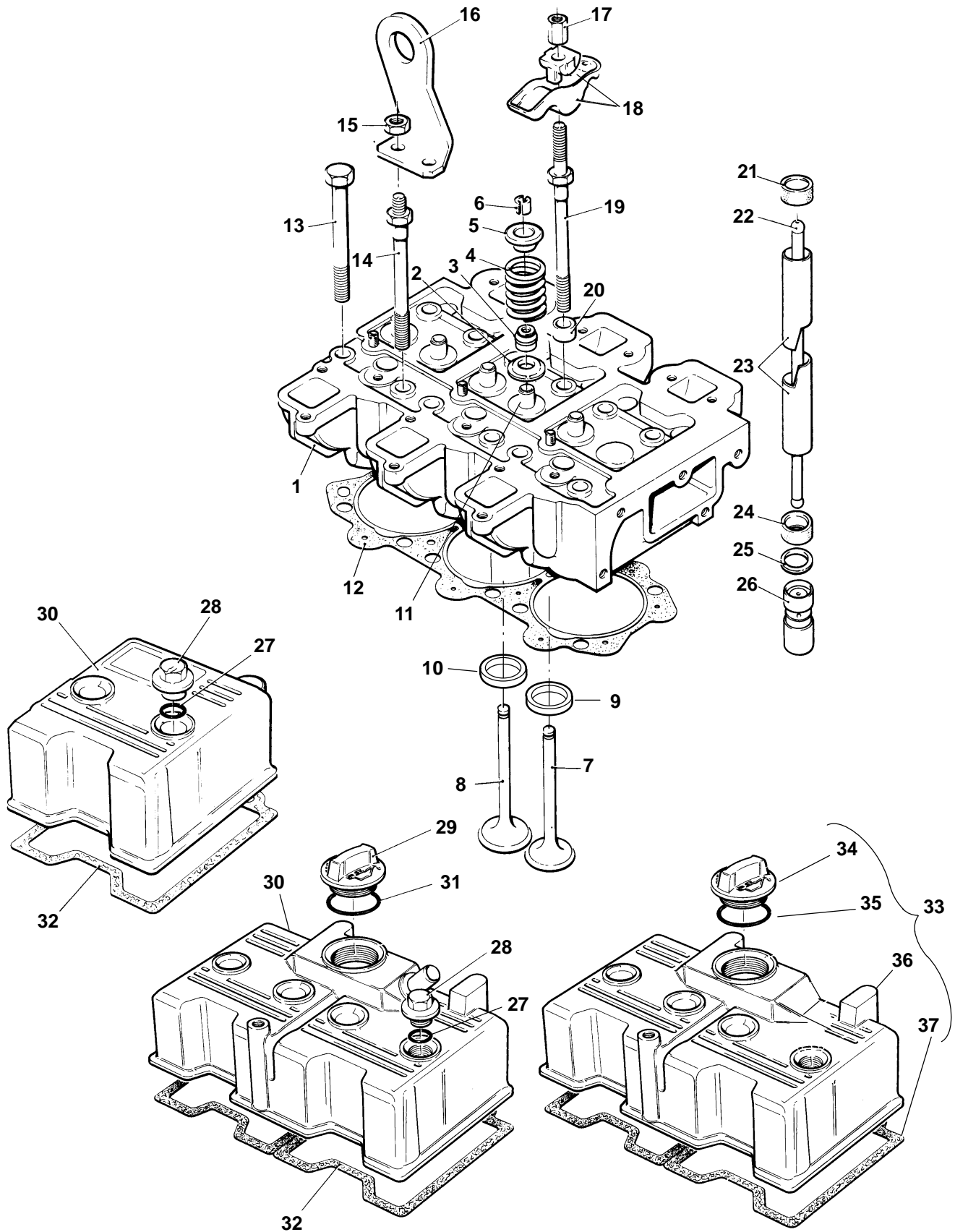
Cylinder Head



Cylinder Head

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Head Assy, Cylinder (Includes Parts Marked *)	17			Nut (M8)
	186-7013	1	GNAA		186-6095	4	GNAA
	186-7014	1	GNAB		186-6095	6	GNAB
	186-7015	1	GNAC		186-6095	8	GNAC
2			*Plate, Valve Spring	18			Lever, Rocker (Includes Pivot)
	186-6088	4	GNAA		186-6258	4	GNAA
	186-6088	6	GNAB		186-6094	6	GNAB
	186-6088	8	GNAC		186-6094	8	GNAC
3			*Seal, Valve Stem	19			Bolt (M10)
	186-6093	2	GNAA		186-6104	4	GNAA
	186-6093	3	GNAB		186-6104	6	GNAB
	186-6093	4	GNAC		186-6104	8	GNAC
4			*Spring, Valve	20			Spacer
	186-6089	4	GNAA		186-6107	4	GNAA
	186-6089	6	GNAB		186-6107	6	GNAB
	186-6089	8	GNAC		186-6107	8	GNAC
5			*Carrier, Valve Spring	21			Rubber, Head Sealing Tube
	186-6090	4	GNAA		186-6102	4	GNAA
	186-6090	6	GNAB		186-6102	6	GNAB
	186-6090	8	GNAC		186-6102	8	GNAC
6			*Cotter, Valve	22			Rod, Push
	186-6091	8	GNAA		186-6098	4	GNAA
	186-6091	12	GNAB		186-6098	6	GNAB
	186-6091	16	GNAC		186-6098	8	GNAC
7			*Valve, Exhaust	23			Tube, Push Rod Sealing
8			*Valve, Inlet		186-6099	4	GNAA
	186-6758	2	GNAA		186-6099	6	GNAB
	186-6758	3	GNAB		186-6099	8	GNAC
	186-6758	4	GNAC	24			Rubber, Sealing Tube
9			*Insert, Exhaust Valve		186-6100	4	GNAA
	186-7005	2	GNAA		186-6100	6	GNAB
	186-7005	3	GNAB		186-6100	8	GNAC
	186-7005	4	GNAC	25			Washer
10			*Insert, Inlet Valve		186-6101	4	GNAA
	186-7004	2	GNAA		186-6101	6	GNAB
	186-7004	3	GNAB		186-6101	8	GNAC
	186-7004	4	GNAC	26			Tappet, Hydraulic
11			*Guide, Valve		186-6103	4	GNAA
	186-6092	4	GNAA		186-6103	6	GNAB
	186-6092	6	GNAB		186-6103	8	GNAC
	186-6092	8	GNAC	27			O'Ring
12			Gasket, Cylinder Head		186-6028	4	GNAA
	186-6109	1	GNAA		186-6028	6	GNAB
	186-6436	1	GNAB		186-6028	8	GNAC
	186-6112	1	GNAC	28			Nut
13			Bolt (M10)		186-6118	4	GNAA
	186-6105	2	GNAA		186-6118	6	GNAB
	186-6105	4	GNAB, GNAC		186-6118	8	GNAC
14			Bolt (M10)	29	186-6023	1	Cap, Oil Fill
	186-6106	2	GNAA, GNAB	30			Cover, Cylinder Head
	186-6106	4	GNAC		186-6792	1	GNAA
15			Nut, Hex (M8 x 1.25)				GNAB
	186-6020	2	GNAA, GNAB		186-6116	1	Single Cover
	186-6020	4	GNAC		186-6792	1	Double Cover
16			Eye, Lifting				GNAC
	186-6437	1	GNAA, GNAB		186-6116	2	Single Cover
	186-6437	2	GNAC		186-6792	1	Double Cover

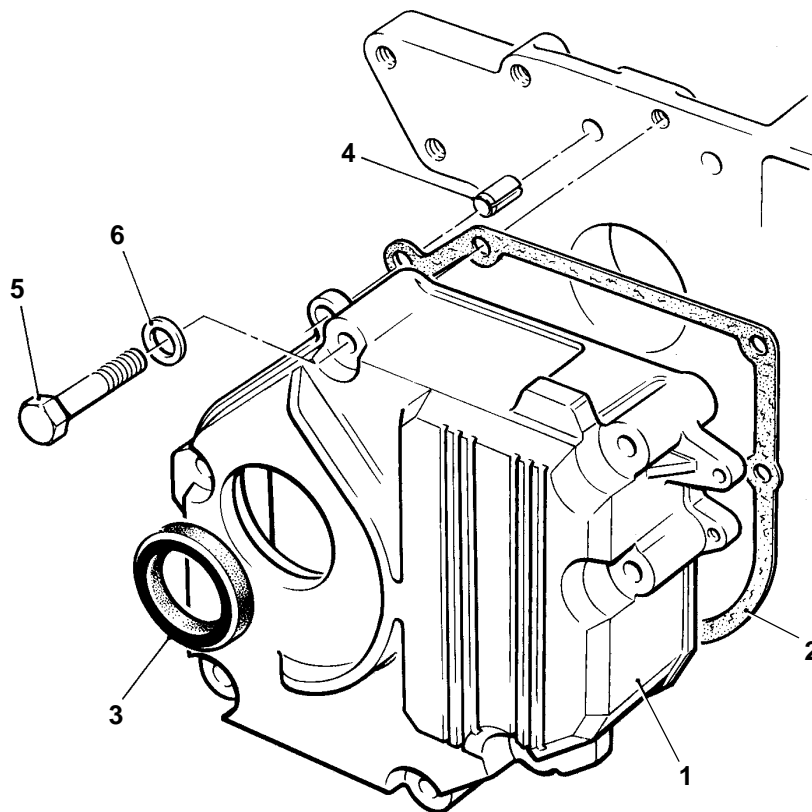
Cylinder Head



Cylinder Head

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
31	186-6024	1	O'Ring, Oil Fill Cap	34	186-6023	1	+Cap, Oil Fill
32			Gasket, Head Cover	35	186-6024	1	+O'Ring
	186-6117	2	GNAA	36	186-6902	1	+Cover, Cylinder Head
	186-6117	3	GNAB	37	186-6117	2	+Gasket, Cover
	186-6117	4	GNAC				
33	123-2126	1	Kit, High Oil Fill (Includes Parts Marked +)				

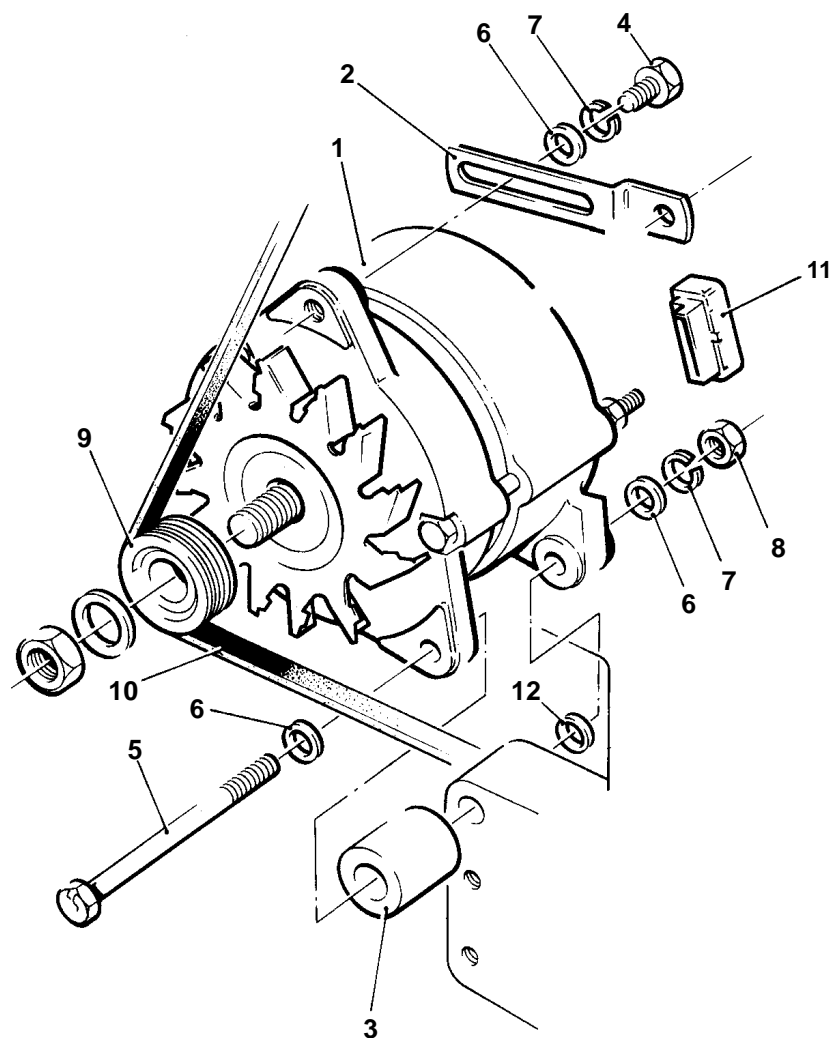
Gear End Cover



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	186-6438	1	Cover, Gear End
2	186-6147	1	Gasket, Cover
3	186-6148	1	Seal, Rear Crank Oil
4	186-6149	2	Dowel

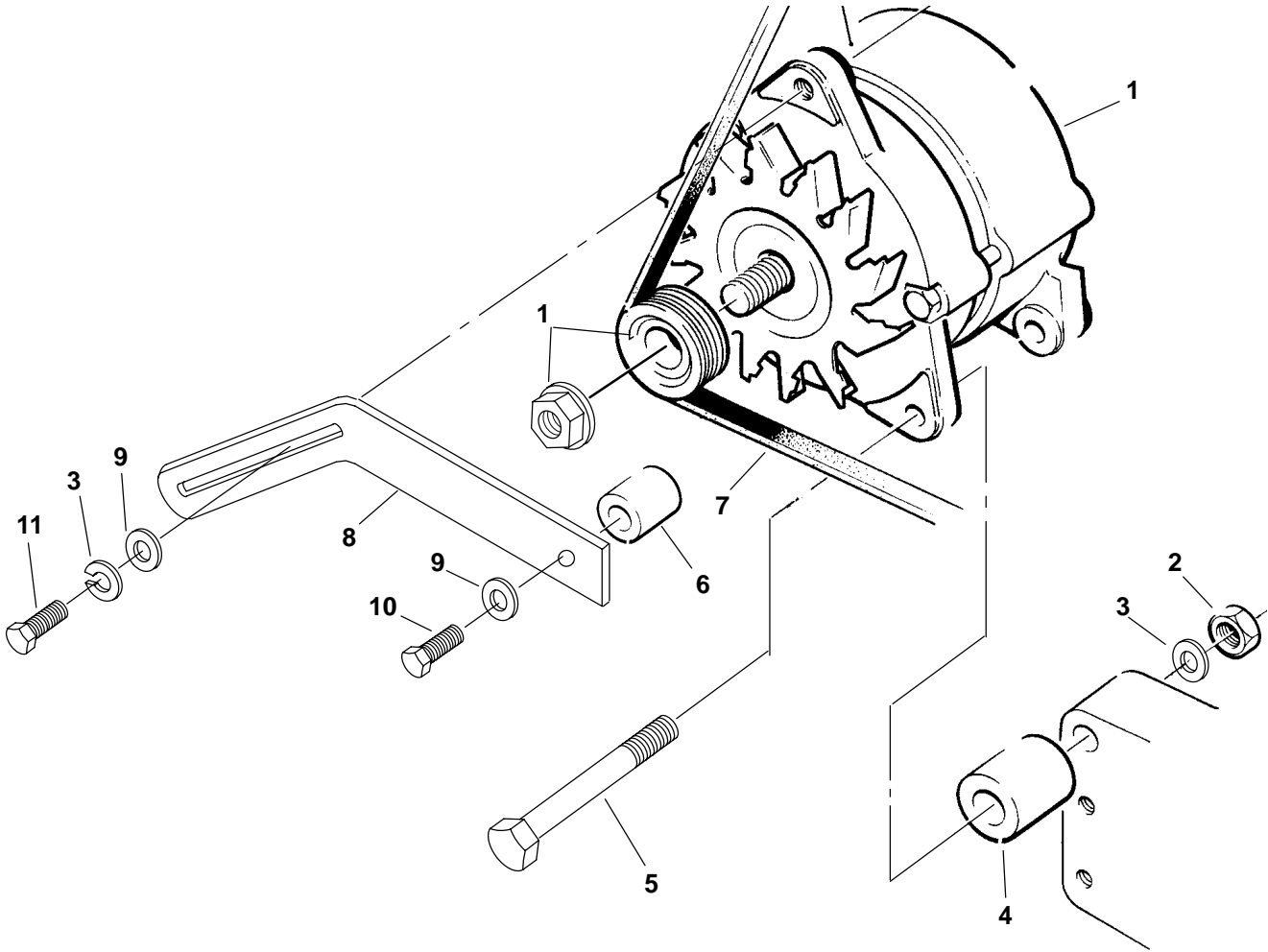
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
5	186-6150	7	Screw, Hex Head Cap (M6 x 1 x 50mm)
6	186-6015	7	Washer (M6)

Alternator (Spec A)



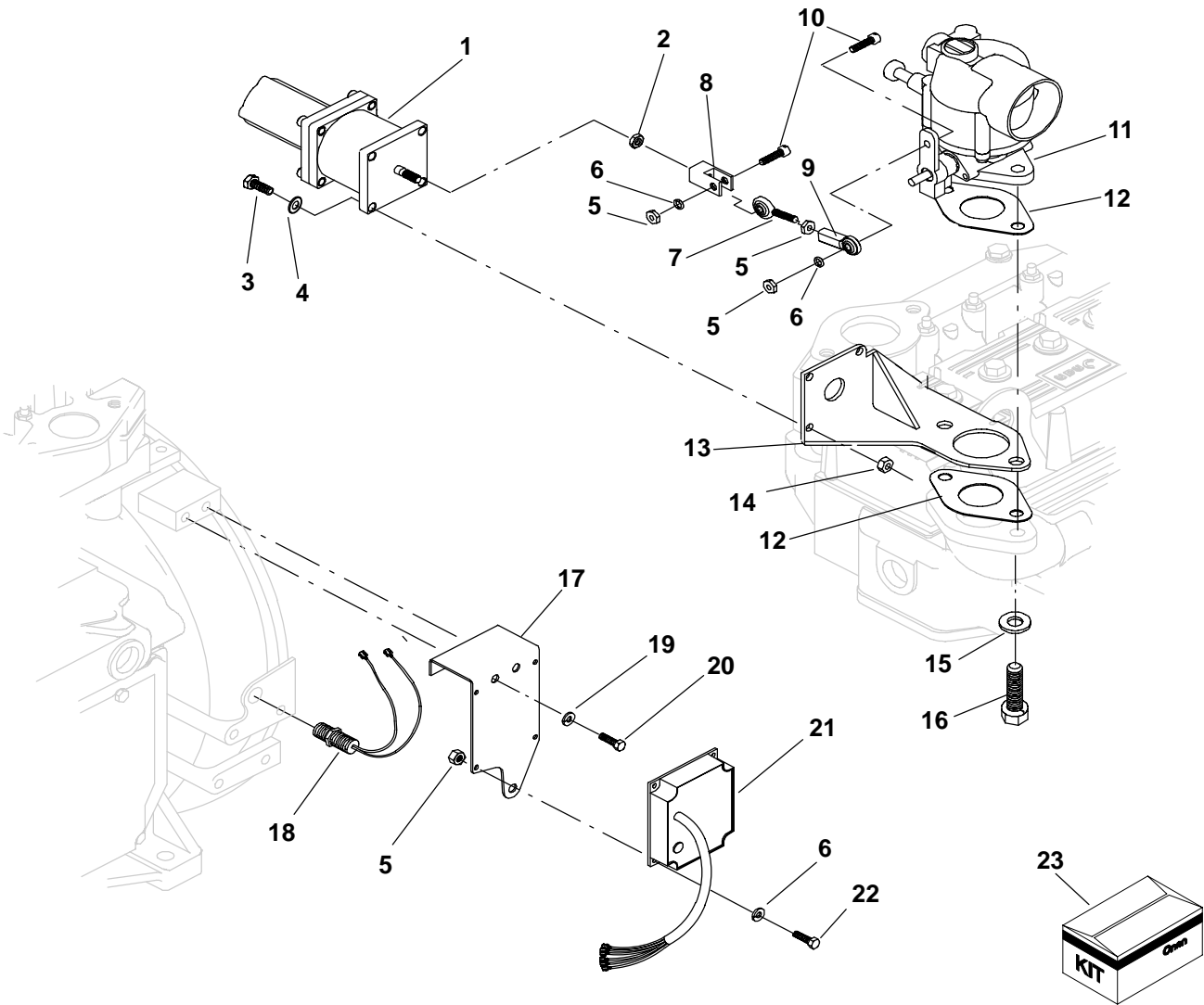
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	186-6469	1	Alternator (12V, 45A) (Includes Nut and Washer for Mounting Pulley)	7	186-6019	3	Washer, Spring (M8)
2	186-6470	1	Bracket, Adjusting	8	186-6274	1	Nut, Hex (M8 x 1.25)
3	186-6471	1	Spacer	9	186-6558	1	Pulley
4	186-6472	1	Screw, Hex Head Cap (M8 x 20mm)	10	186-6477	1	Belt
5	186-6840	1	Bolt (M8 x 130mm)	11	186-6478	1	Plug, Connector
6	186-6412	4	Washer (M8)	12	186-6479	1	Spacer
				13	186-6480	1	Spacer
				14	186-6481	1	Screw, Hex Head Cap (M8 x 50mm)

Alternator (Begin Spec B)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	186-7209		Alternator (Includes Nut and Pulley)	8	186-7212	1	Bracket, Adjusting
2	186-6274	1	Nut, Hex (M8 x 1.25)	9	186-6412	1	Washer (M8)
3	186-6529	3	Washer, Spring (M8)	10			Bolt
4	186-7210	1	Pivot, Front Spacer		186-7202	1	M8 x 1.25 x 35mm
5	186-7201	1	Bolt (M8 x 100mm)		186-7203	1	M8 x 1.25 x 30mm
6	186-7211	1	Spacer	11	186-6681	1	Screw, Hex Head Cap (M8 x 25mm)
7	186-6811	1	Belt				

Electronic Governor

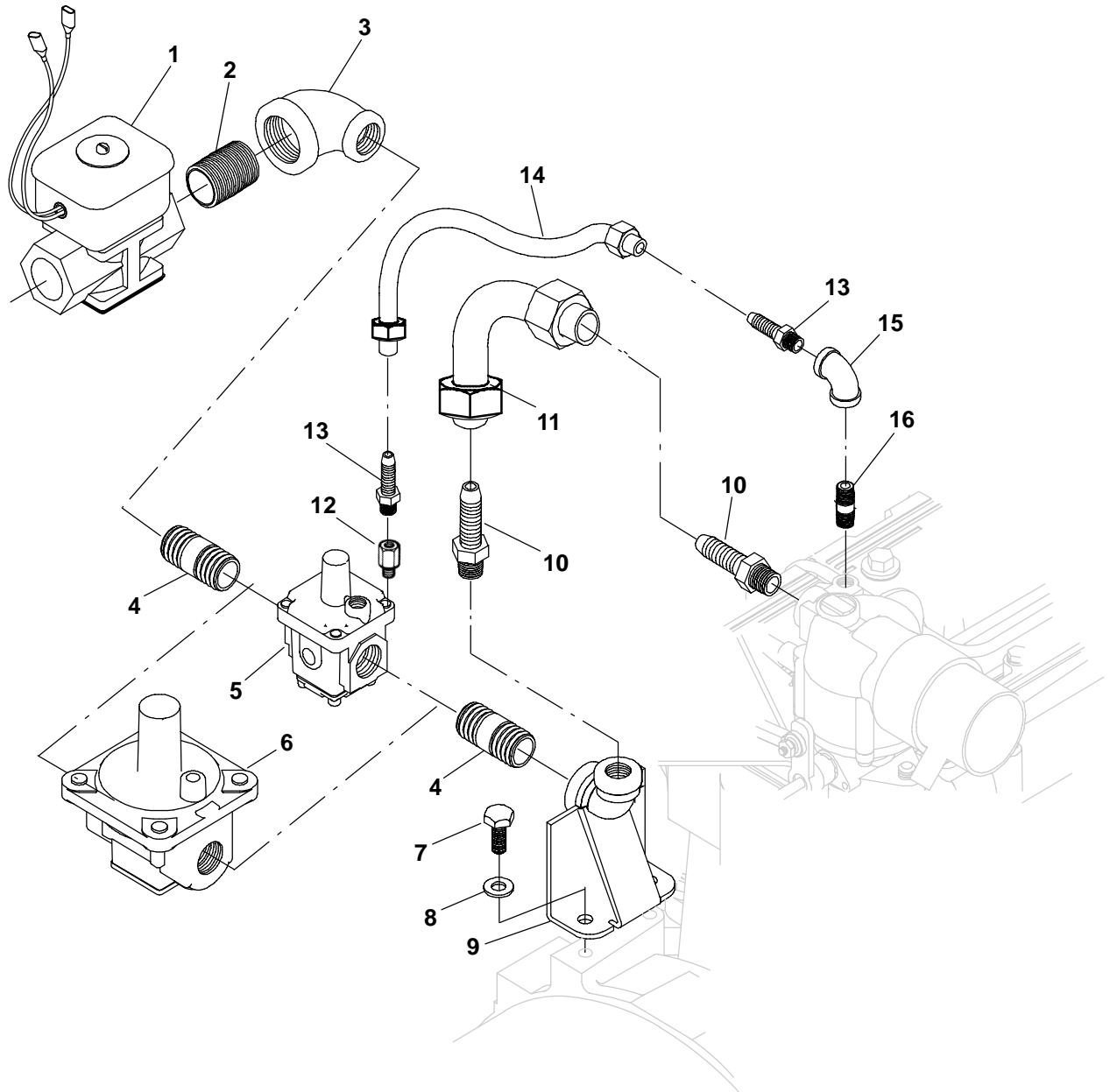


Electronic Governor

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	186-6497	1	Actuator, Electronic Governor (Includes Nut))	12	186-6948	2	Gasket, Flange
2	-*	1	Nut (M6 x 1mm)	13	186-6942	1	Bracket, Governor Actuator
3	186-6034	4	Screw, Hex Head Cap (M6 1 x 20mm)	14	186-6209	4	Nut, Hex (M6 x 1)
4	186-6597	4	Washer, Lock (M6)	15	186-6849	2	Washer, Spring (3/8")
5	186-6474	7	Nut, Hex (#10-32)	16	186-6996	2	Screw, Hex Head Cap (3/8-16 x 1.25")
6	186-6458	6	Washer, Spring (3/16")	17	186-6964	1	Bracket, Governor Controller
7	186-6648	1	End, Male Rod (3/16")	18	186-6647	1	Pick-Up, Magnetic (5/8-18 x 3")
8	186-6923	1	Clevis	19	186-6618	2	Washer, Spring (M8)
9	186-6649	1	End, Female Rod (3/16")	20	186-6064	2	Screw, Hex Head Cap (M8 x 1.25 x 20mm)
10	186-6682	2	Screw, Fillister Head Machine (#10-32 x 3/4)	21	186-6650	1	Controller, Electronic Governor
11			Carburetor Spec A	22	186-6486	4	Screw, Hex Machine (#10-32 x 1/2")
	186-6973	1	Propane	23	186-7038	1	Kit, Carburetor Repair (Includes Air-Gas Valve Assy, Sealing Ring, Check Valve Plate, Throttle Body to Mixer Gasket, Screw (10-24 x 5/8") Idle Cutoff Piston, Idle Cutoff Spring, Instruction Sheet)
	186-6947	1	Natural Gas Begin Spec B GNAA				
	186-7123	1	Natural Gas				
	186-7124	1	Propane GNAB				
	186-7125	1	Natural Gas				
	186-7126	1	Propane GNAC				
	186-7127	1	Natural Gas				
	186-7128	1	Propane				

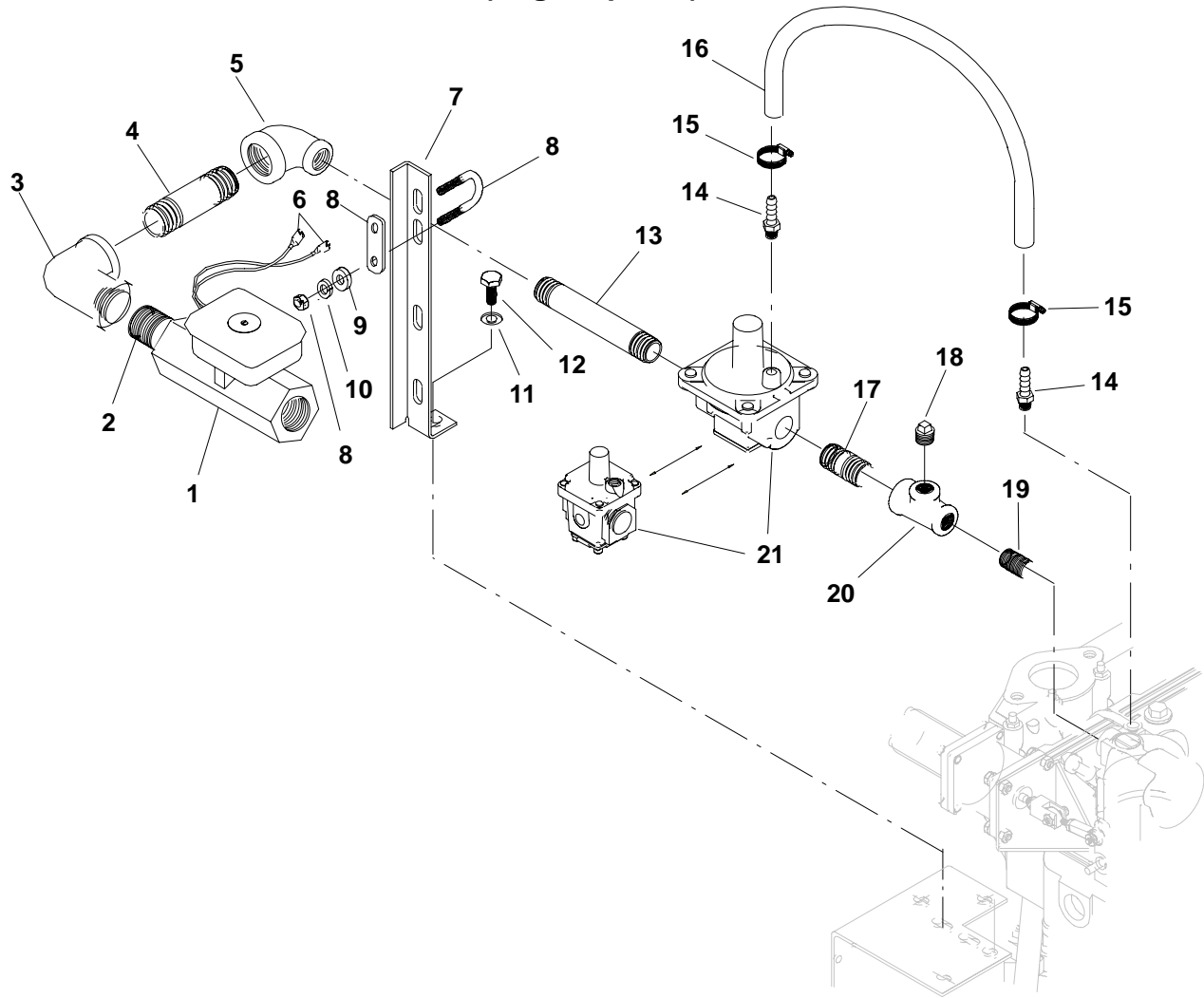
* – Not Sold Separately, Included with Actuator.

Regulator (Spec A)



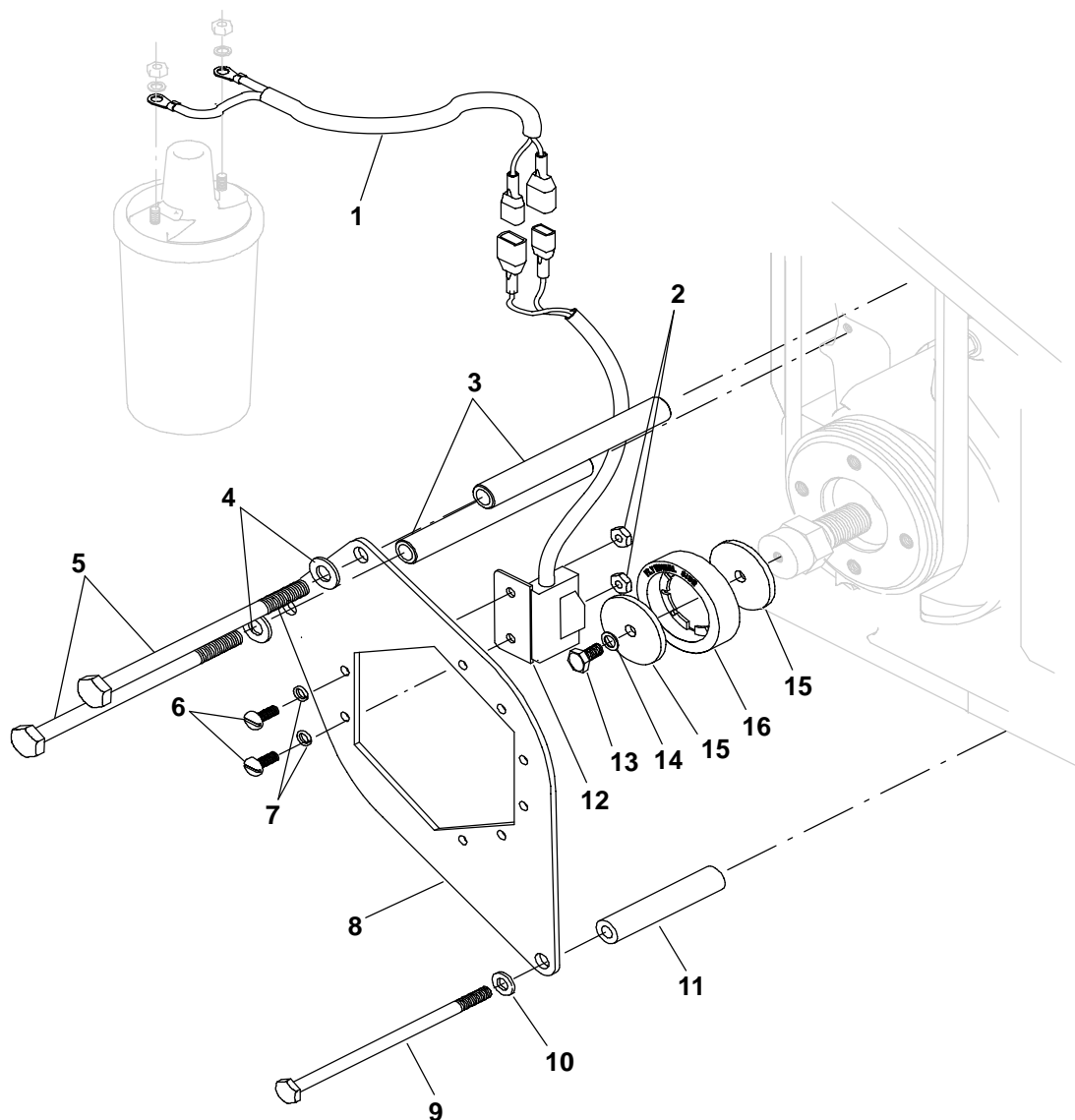
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	307-0312	1	Valve, Magnetic Gas	9	186-6945	1	Bracket, Gas Regulator Support
2	186-6938	1	Nipple, Close (3/4 NPT)	10	502-1045-10	2	Adapter, Brass
3	186-6937	1	Elbow, Reducing	11	186-6949	1	Tube Assy, Fuel (5/8 x 9-3/4")
4	186-6614	2	Nipple, Pipe (1/2 NPT x 1.75" Lg)	12	186-6253	1	Adapter
5	186-6972	1	Regulator, Propane (C099)	13	186-6936	2	Adapter, Brass
6	186-6951	1	Regulator, Natural Gas (C002)	14	186-6950	1	Tube Assy, Balance (1/4" x 12-1/4")
7	186-6064	2	Screw, Hex Head Cap (M8 x 1.25 x 20mm)	15	186-6953	1	Elbow, 90 Deg (1/8" NPT)
8	186-6618	2	Washer, Spring (M8)	16	186-6952	1	Nipple, Close (1/8" NPT x Close)

Regulator (Begin Spec B)



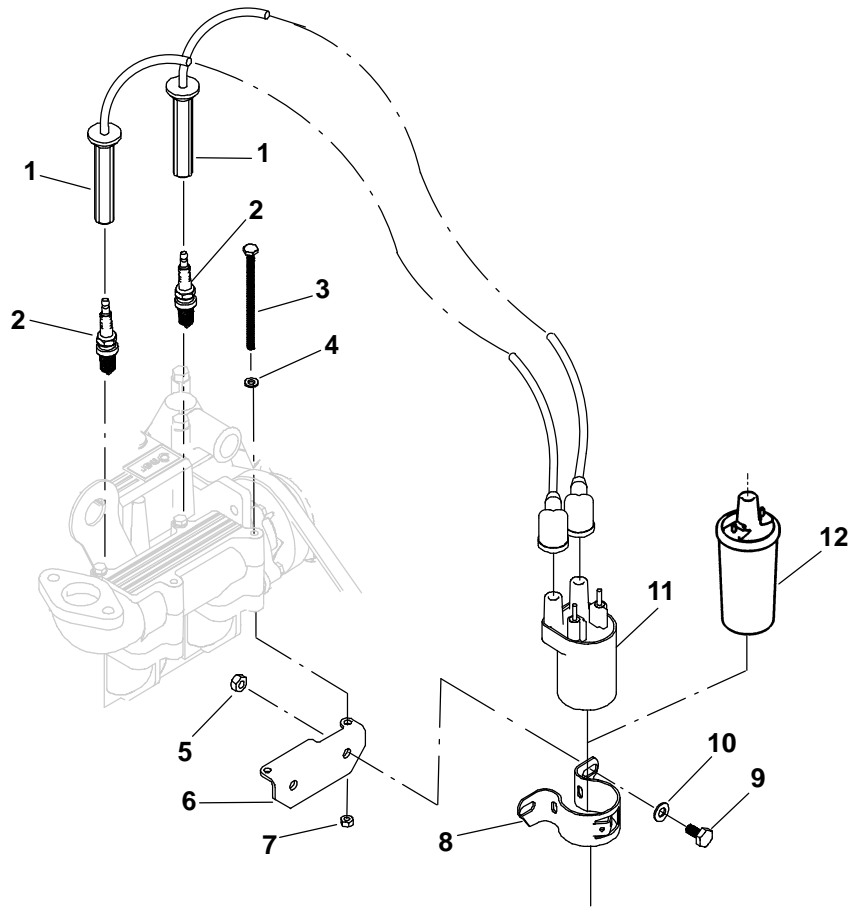
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	307-0312	1	Valve, Magnetiv Gas	15	186-6536	4	Clamp, Hose (.25-.62" OD)
2	186-6938	1	Nipple, Close (3/4 NPT)	16	186-7070	1	Hose (1/4 ID x 8" Lg)
3	505-0132	1	Elbow, 90 Deg (3/4 NPT)	17	505-0100	1	Nipple (1/2 NPT x Close)
4	505-0337	1	Nipple (3/4 x 4")	18	505-0110	1	Plug, Square Head (3/8 NPT)
5	186-6937	1	Coupling, 90 Deg (3/4" NPT to 1/2 NPT)	19	505-0101	1	Nipple, Coupled (3/8 NPT Close)
6	186-7057	2	Terminal, Fully Insulated (1/4")	20	186-7066	1	Tee, Reducing (1/2 x 3/8 x 3/8")
7	186-7086	1	Brace, Fuel/Air Breather Support	21			Regulator
8	186-7059	1	Clamp, Pipe (1/2")				GNAA
9	186-6933	4	Washer (1/4")		186-7129	1	Natural Gas
10	186-6295	1	Washer, Spring (1/4")		186-7130	2	Propane
11	186-6975	5	Washer, Flat (M8)				GNAB
12	800-2059	1	Screw, Hex Head Cap (M8 x 1.25 x 30mm)		186-7131	1	Natural Gas
13			Nipple		186-7132	1	Propane
	186-7069	1	1/2 NPT x 4-1/2" Lg				GNAC
	505-0081	1	1/2 NPT x 5-1/2 Lg		186-7133	1	Natural Gas
14	186-7055	2	Barb, Hose (1/8 NPT to 1/4 Hose)		186-7134	1	Propane

Primary Ignition



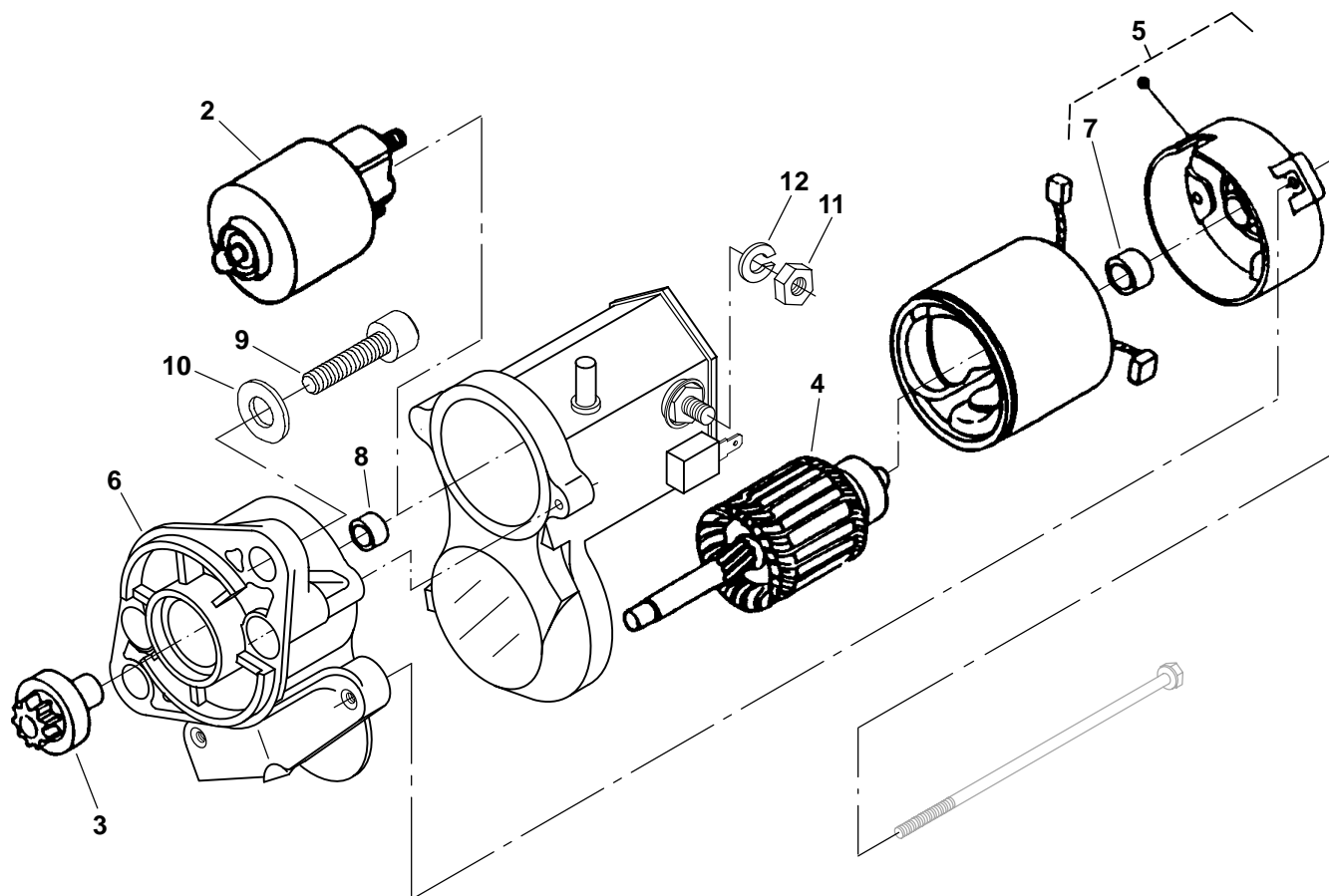
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	186-6969	1	Harness, Ignition	7	186-6458	2	Washer, Spring (3/16")
	186-6970	1	GNAA		186-6458	6	GNAB
	186-6971	1	GNAC		186-6458	4	GNAC
2	186-6474	2	Nut, Hex (10-32)	8	186-6994	1	Plate, Ignition
	186-6474	6	GNAA	9	186-6998	1	Screw, Hex Head Cap (M6 x 1 x 125mm)
	186-6474	4	GNAB	10	186-6015	1	Washer
3	186-6992	2	Spacer	11	186-6993	1	Spacer
4	186-6567	2	Washer	12			Control, Ignition
5	186-6983	2	Screw, Hex Head Cap (M8 x 1.25 x 130mm)		166-0785	1	GNAA
6			Screw, Phillister Head Machine (10-32 x 1/2")		166-0785	3	GNAB
	186-6486	2	GNAA		166-0785	2	GNAC
	186-6486	6	GNAB	13	186-6546	1	Screw, (M6 x 1 x 16mm)
	186-6486	4	GNAC	14	186-6997	1	Washer, Fan
				15	186-7006	2	Washer, Retaining
				16	166-0767	1	Rotor, Ignition

Secondary Ignition



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	186-6962	2	Lead, High Tension	7	186-6209	2	Nut, Hex (M6 x 1mm)
	186-6961	3	GNAA (12")		186-6209	3	GNAB
	186-6962	2	GNAC		186-6209	4	GNAC
	186-6962	2	12"	8	186-6957	1	Bracket, Coil
	186-6963	2	18"		186-6957	3	GNAA
2	186-6958	2	Plug, Spark		186-6957	2	GNAB
	186-6958	3	GNAA		186-6957	2	GNAC
	186-6958	4	GNAB	9	186-6668	2	Screw, Hex Head Cap (M8 x 1.25 x 16mm)
3	186-6946	2	Screw, Hex Head Cap (M6 x 100mm)		186-6668	6	GNAA
	186-6946	3	GNAA		186-6668	4	GNAB
	186-6946	4	GNAB		186-6668	4	GNAC
4	186-6597	2	Washer, Lock (M6)	10	186-6618	2	Washer, Spring (M8)
	186-6597	3	GNAA		186-6618	6	GNAA
	186-6597	4	GNAB		186-6618	4	GNAB
5	186-6274	2	Nut, Hex (M8 x 1.25)		186-6618	4	GNAC
	186-6274	6	GNAA	11	166-0820	1	Coil, Ignition
	186-6274	4	GNAB		166-0820	2	GNAA
6	186-6943	1	Bracket, Coil		166-0820	2	GNAC
	186-6944	1	GNAA	12	186-6960	3	Coil, Ignition - GNAB
	186-6943	2	GNAB				
			GNAC				

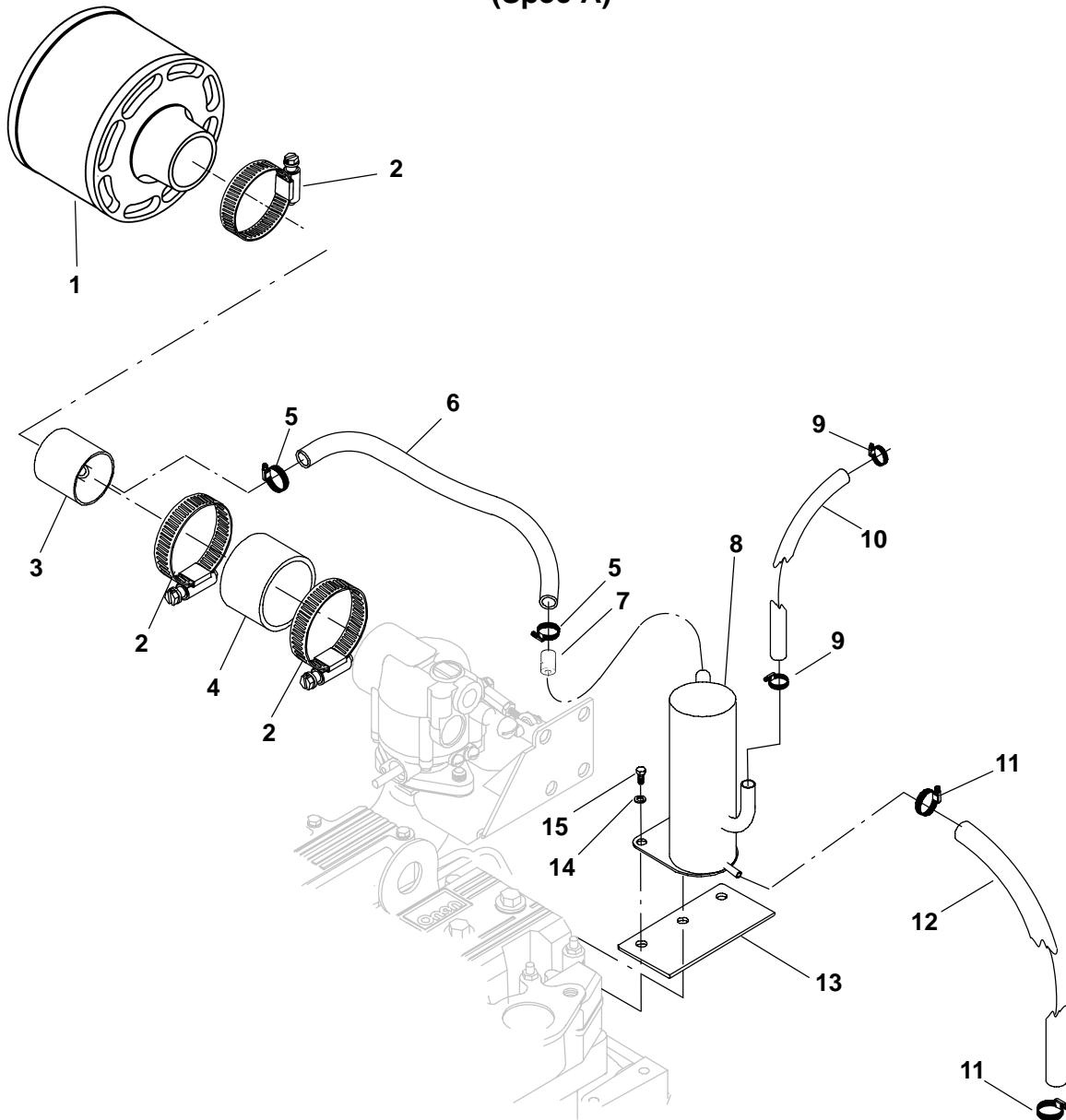
Starter Components



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	191-2213	1	Starter (1.4kW)
1	191-2215	1	Kit, Starter Brush
2	191-2216	1	Switch
3	191-2217	1	Clutch
4	191-2218	1	Armature
5	191-2219	1	Frame, Commutator End
6	191-2220	1	Housing

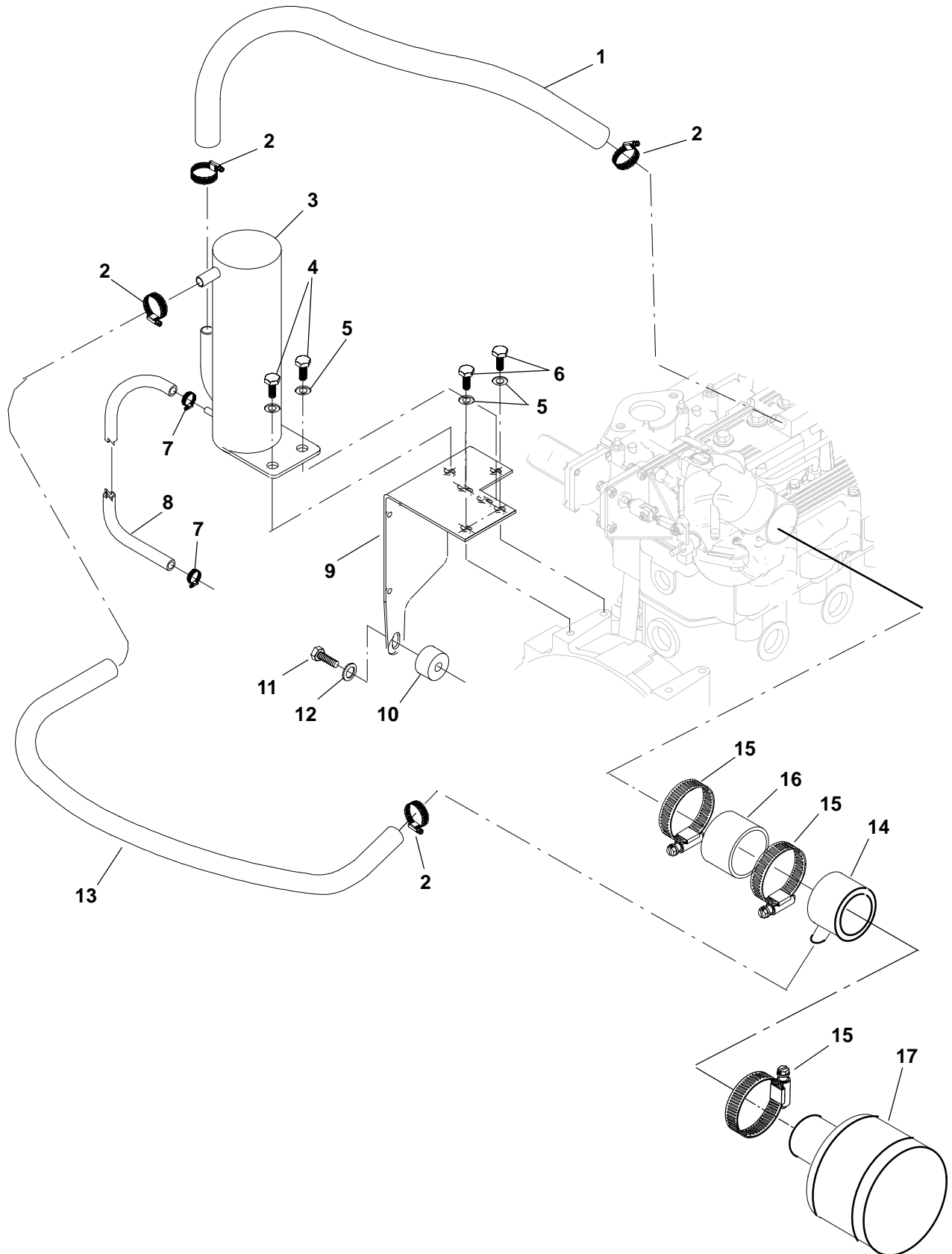
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
7	191-2221	1	Bearing, Commutator End
8	191-2222	1	Bearing, Pinion End
9	186-6675	2	Screw, Socket Head Cap (M10 x 1.5 x 35mm)
10	186-6619	2	Washer, Spring (M10)
11	186-6274	1	Nut, Hex (M8 x 1.25)
12	186-6618	1	Washer, Spring (M8)

Breather System (Spec A)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	186-6593	1	Cleaner, Air (Element Not Replaceable)	8	186-6778	1	Breather
2	186-6661	3	Clamp, Hose	9	186-6762	2	Clip, Hose
3	186-6965	1	Sleeve, Transition	10	186-6987	1	Hose, Inlet
4	186-6966	1	Sleeve, Hose	11	186-6536	2	Clamp, Hose
5	186-6934	2	Clamp, Hose (3/4")	12	186-6954	1	Hose, Drain
6	186-6967	1	Hose (1/2" ID x 9" Long)	13	186-6985	1	Bracket, Breather
7	186-6779	1	Restrictor	14	186-6618	2	Washer (M8)
				15	186-6186	2	Bolt (M8 x 45mm)

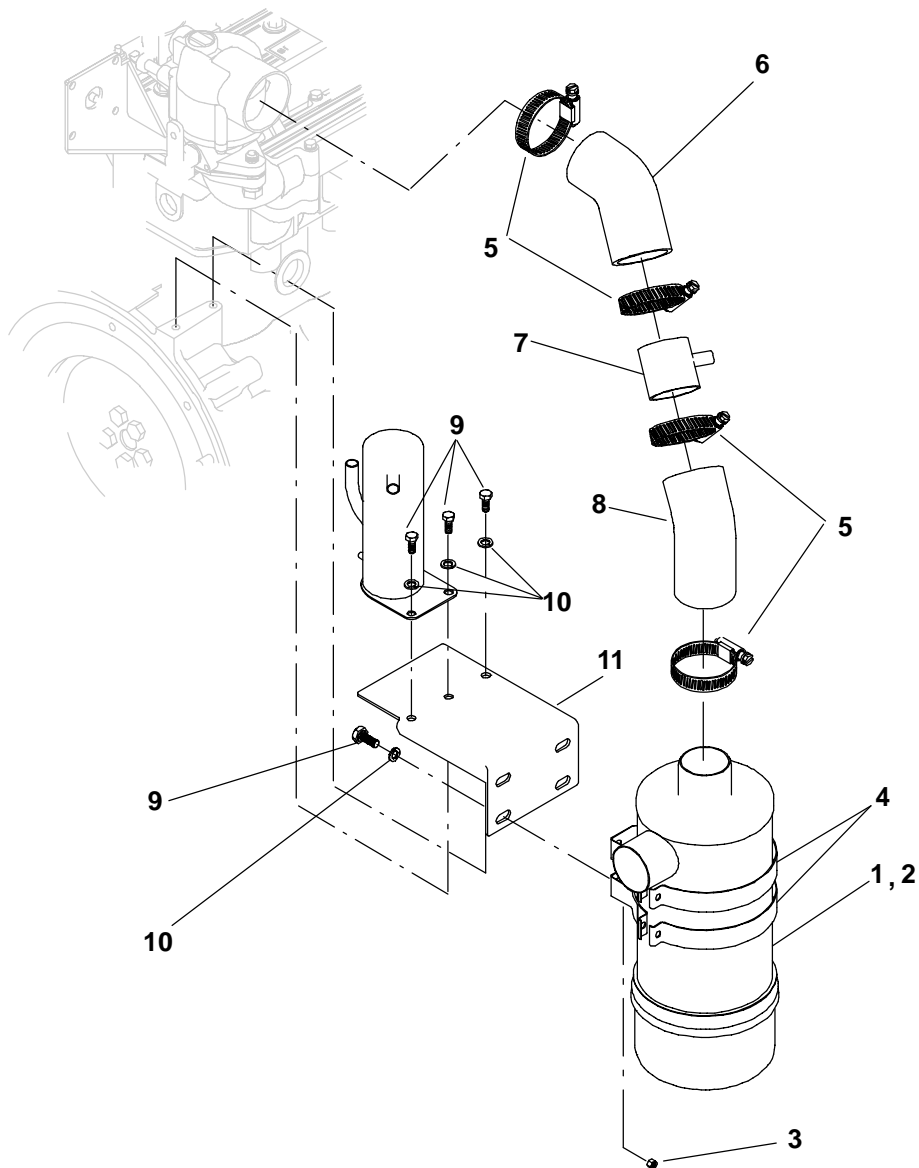
Breather System (Begin Spec B)



Breather System (Begin Spec B)

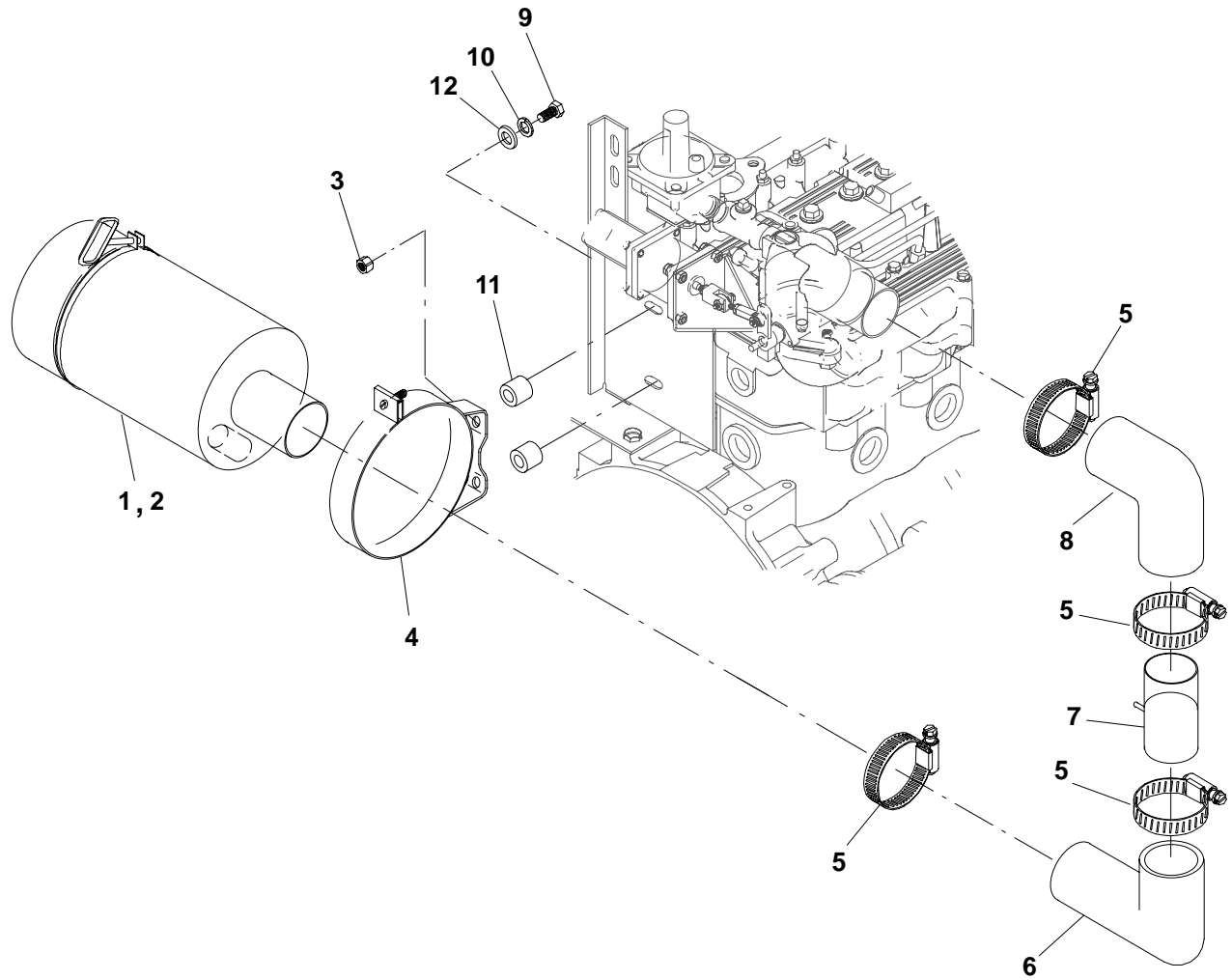
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	186-7071	1	Hose (1/2 ID x 18" Lg)	10	186-7067	1	Spacer (24mm Lg)
2	186-6934	4	Clamp, Hose (3/4")	11	800-2089	1	Screw, Hex Head Cap (M10 x 1.5 x 40mm)
3	186-6778	1	Breather	12	186-7087	1	Washer, Plain (7/16")
4	186-6669	2	Screw, Hex Head Cap (M8 x 1.25 x 25mm)	13	186-7071	1	Hose (1/2 ID x 20" Lg)
5	186-6975	4	Washer, Flat (M8)	14	186-6965	1	Sleeve, Transition
6	186-6064	2	Screw, Hex Head Cap (M8 x 1.25 x 20mm)	15	186-6661	3	Clamp, Hose
7	186-6536	4	Clamp, Hose (.25 - .62" OD)	16	186-6966	1	Sleeve, Hose (2" ID x 1-1/4" Lg)
8	186-7070	1	Hose (1/4 ID x 10" Lg)	17	186-6593	1	Cleaner, Air (Element Not Replaceable)
9	186-7081	1	Bracket, Fuel/Air Breather				

Heavy Duty Air Cleaner (Spec A)



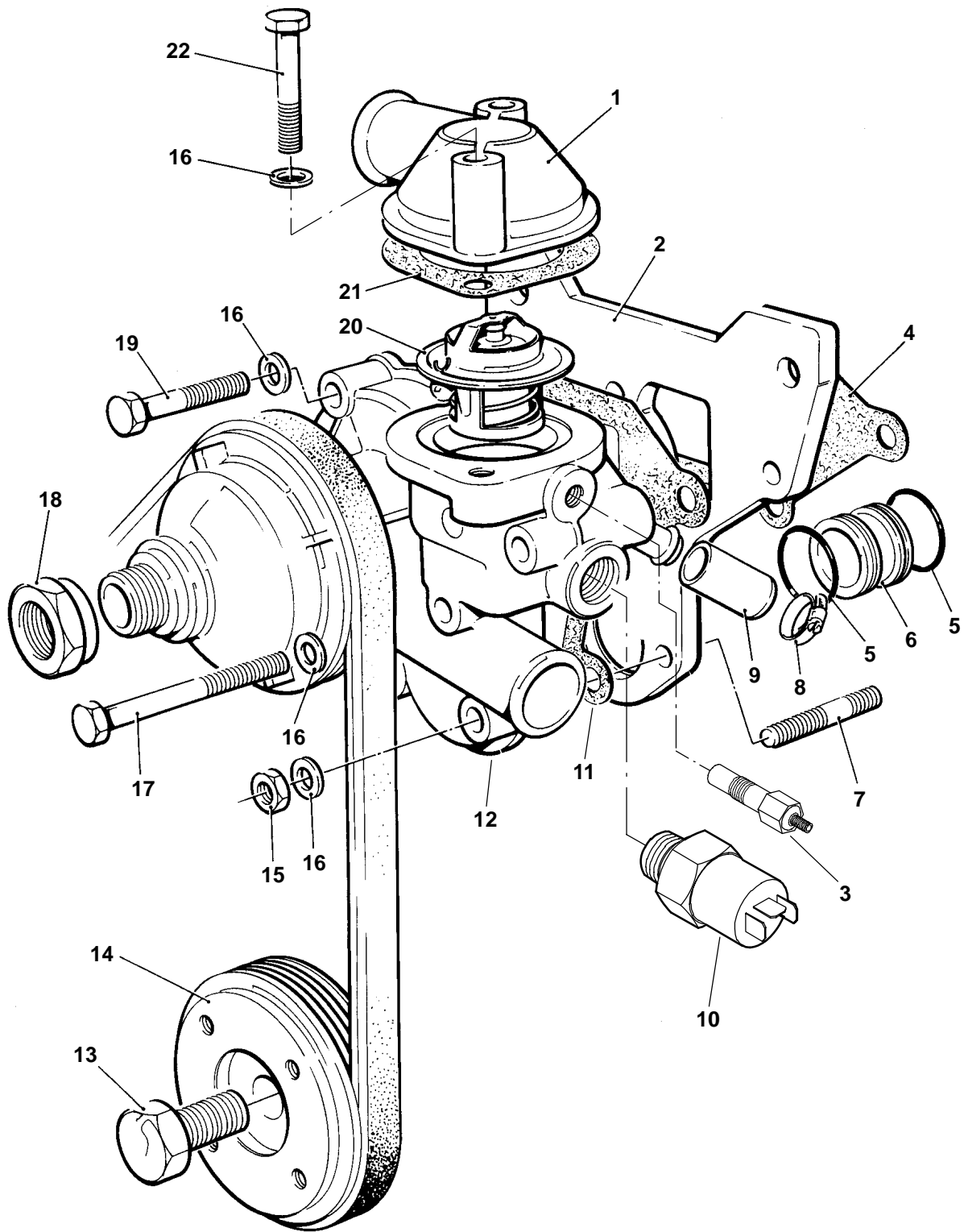
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	186-6935	1	Cleaner Assy, Air (5-1/4") (Includes Element)	7	186-6966	1	Sleeve, Hose (2" ID x 1-1/4" Lg)
2	186-6685	1	Element, Air Cleaner	8	186-6990	1	Hose, Elbow
3	186-6274	4	Nut, Hex (M8 x 1.25)	9	186-6064	7	Screw, Hex Head Cap (M8 x 1.25 x 20mm)
4	186-7000	2	Band, Mounting	10	186-6019	7	Washer, Lock (M8)
5	186-6661	4	Clamp, Hose	11	186-6984	1	Bracket, Air Cleaner
6	186-6989	1	Hose, Elbow				

Heavy Duty Air Cleaner (Begin Spec B)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	186-6935	1	Cleaner Assy, Air (5-1/4") (Includes Element)	7	186-6965	1	Sleeve, Hose (2" ID x 1-1/4" Lg)
2	186-6685	1	Element, Air Cleaner	8	186-7072	1	Hose, Elbow
3	186-6274	2	Nut, Hex (M8 x 1.25)	9	186-7204	2	Screw, Hex Head Cap (M8 x 1.25 x 30mm)
4	186-7000	1	Band, Mounting	10	186-6618	2	Washer, Lock (M8)
5	186-6661	4	Clamp, Hose	11	186-7090	1	Spacer
6	186-7213	1	Hose, Elbow	12	186-6975	2	Washer, Flat

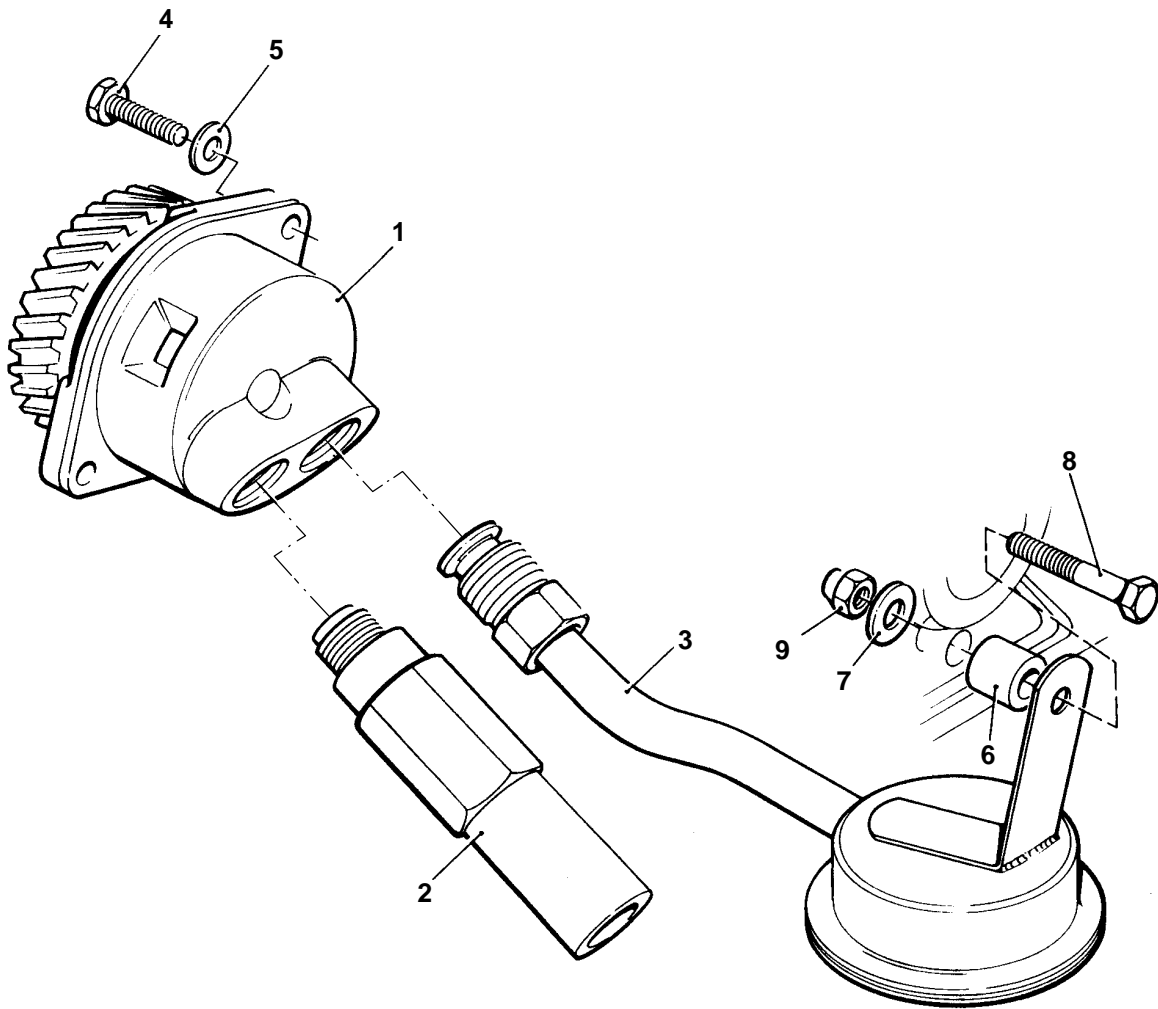
Water Pump



Water Pump

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	186-6189	1	Outlet, Thermostat	11	186-6180	1	Gasket
2	186-6181	1	Plate, Mounting	12	186-6178	1	Pump, Water (Puller Not Sold Separately)
3	186-6615	1	Sender, Temperature (Used With Detector Control)	13	186-7003	1	Bolt, Crankshaft Pulley
4	186-6182	1	Gasket	14	186-6548	1	Pulley, Crankshaft
5	186-6184	2	O'Ring	15	186-6020	2	Nut, Hex (M8 x 1.25)
6	186-6183	1	Sleeve	16	186-6187	9	Washer (M8)
7	186-6188	2	Stud (M8 x 45mm)	17	186-6185	3	Bolt (M8 x 75mm)
8	186-6662	1	Clip, Hose	18	186-6694	1	Nut, Fan
9	186-6283	1	Cap	19	186-6186	2	Bolt (M8 x 45mm)
10	186-6482	1	Switch, Water Temperature (Used With all Controls for Spec A, Used with Manual and Remote Controls for Spec B)	20	186-6731	1	Thermostat (190°F)
				21	186-6190	1	Gasket
				22	186-6191	2	Bolt (M8 x 60mm)

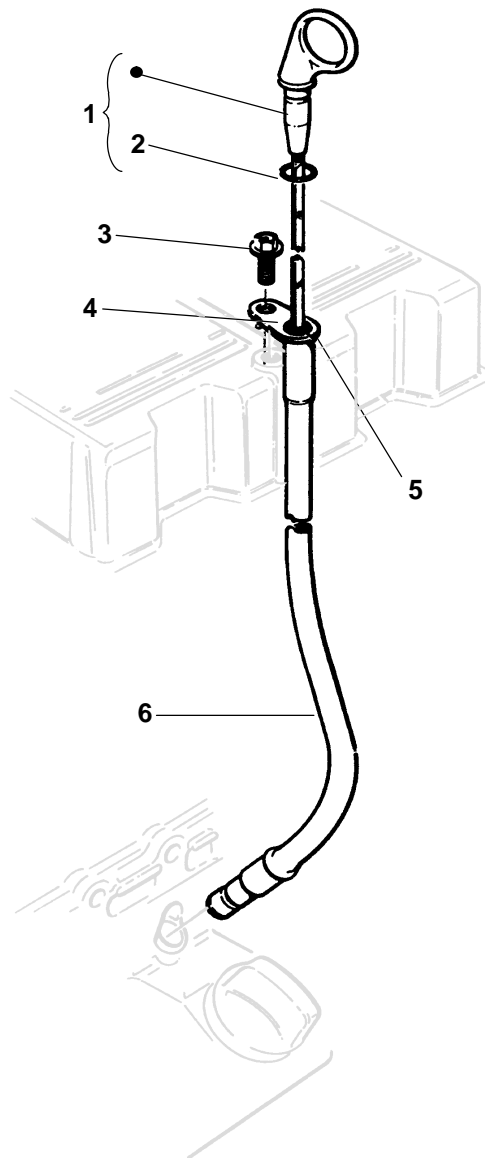
Oil Pump



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	186-6030	1	Pump, Oil
2	186-6031	1	Valve, Oil Relief
3	186-6032	1	Strainer, Oil
	186-6033	1	GNAA, GNAB
	186-6033	1	GNAC
4	186-6014	2	Screw, Hex Head Cap (M6 x 1 x 25mm)

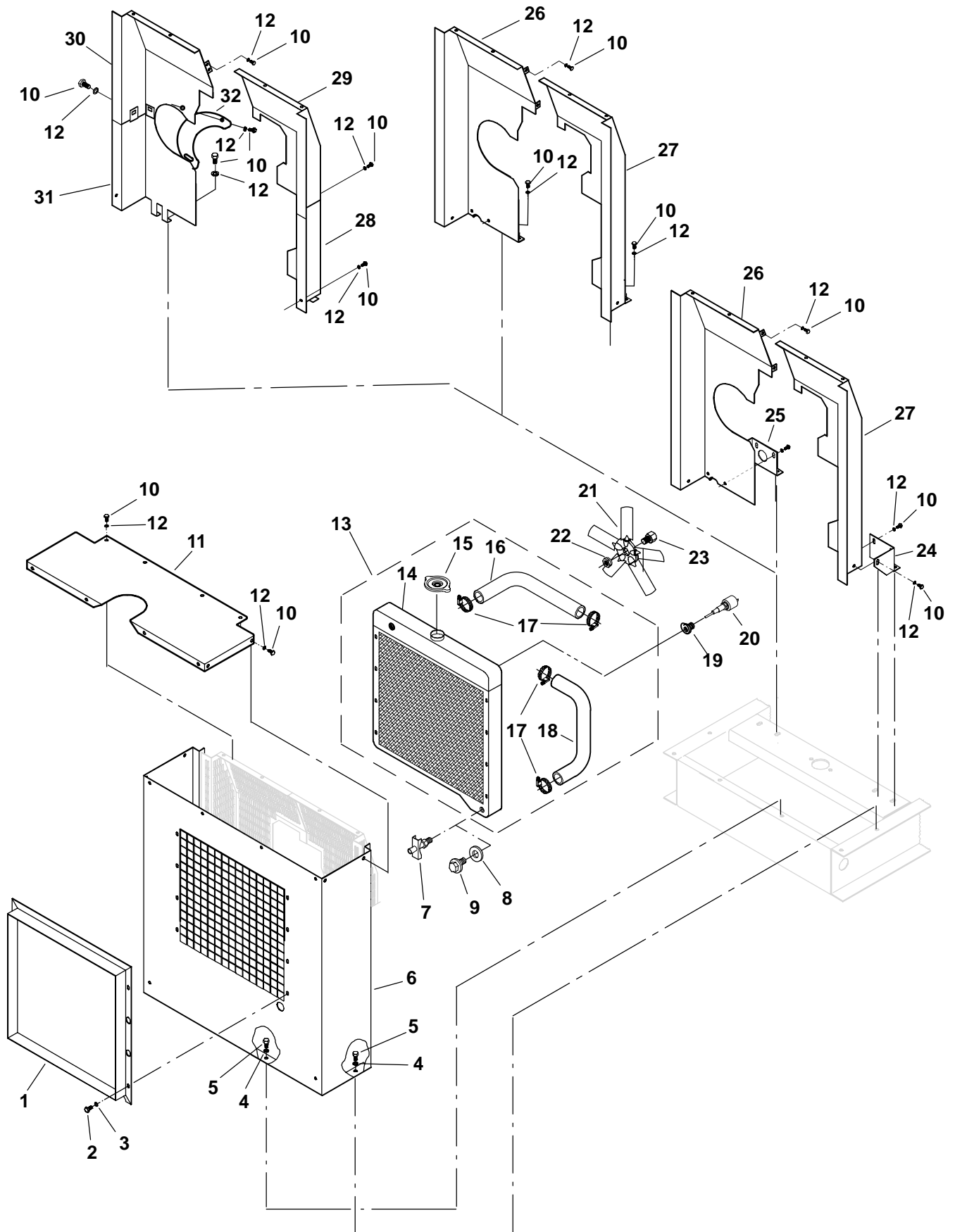
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
5	186-6015	2	Washer (M6)
6	186-6411	1	Spacer
7	186-6412	1	Washer (M8)
8	186-6413	1	Screw, Hex Head Cap (M6 x 35mm)
9	186-6414	1	Nut, Lock (M6)

Extended Oil Level Indicator



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Kit, Extended Oil Level Indicator	3	186-6704	1	Screw
	123-2127	1	GNAA	4	186-6909	1	Bracket
	123-2131	1	GNAB, GNAC	5	186-6908	1	Grommet
1	186-6907	1	Oil Level Indicator (Includes O'Ring)	6			Tube
2	186-6029	1	O'Ring		186-6905	1	GNAA
					186-6906	1	GNAB, GNAC

Radiator

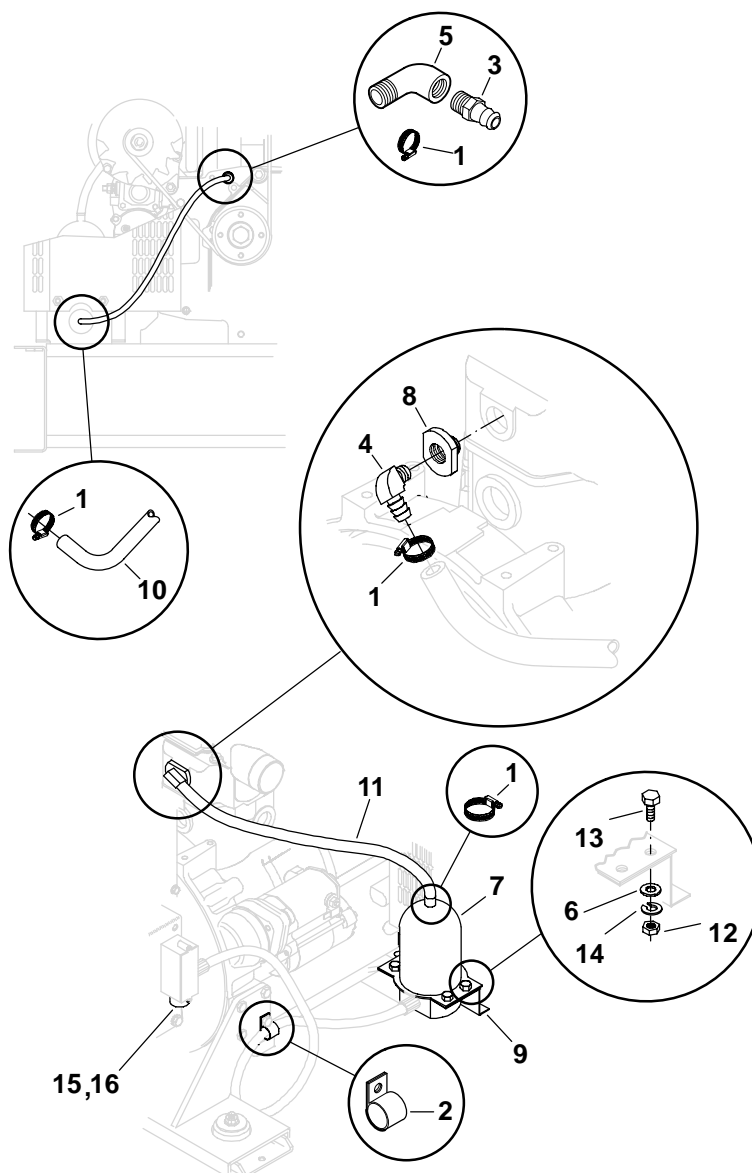


Radiator

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-4690		Kit, Radiator Duct Adapter (Includes Adapter, Screws and Washers)	12			Washer, Flat (M8)
1	186-6346	1	Adapter, Radiator Outlet Duct	186-6975	18		Spec A
2			Screw, Hex Head Cap	186-6975	12		Begin Spec B
			Spec A				Kit, Radiator (Includes Parts Marked *)
			GNAA	186-6926	1		GNAA
821-6002-03	6		W/O Adapter (M6 x 1 x 16mm)	186-6691	1		GNAB, GNAC
			W/Adapter	14			*Radiator
821-6002-03	4		M6 x 1 x 16mm	186-6927	1		GNAA
186-6577	4		M6 x 1 x 14mm	186-6708	1		GNAB, GNAC
			GNAB, GNAC	15	186-6825	1	*Cap, Radiator
821-6002-03	8		W/O Adapter (M6 x 1 x 16mm)	16			*Hose, Top
			W/Adapter	186-6928	1		GNAA
821-6002-03	4		M6 x 1 x 16mm	186-6706	1		GNAB, GNAC
186-6577	4		M6 x 1 x 14mm	17	186-6660	4	*Clip, Hose
821-6006-01	8		Begin Spec B	18			*Hose, Bottom
3			Washer, Flat (M6) (Spec A)	19	505-0018	1	Bushing (1/2 x 1/4 NPT)
			GNAA	20	186-7214	1	Switch, Low Coolant (S7)
186-6974	6		W/O Adapter	21			Fan, Radiator
186-6974	8		W/Adapter	186-6929	1		GNAA
			GNAB, GNAC	186-6695	1		GNAB, GNAC
186-6974	8		W/O Adapter	22	186-7052	1	Nut, Fan
186-6974	8		W/Adapter	23	186-6705	1	Spacer, Radiator
4	186-6976	6	Washer, Flat (M10)	24	186-6318	1	Bracket, Right Guard (Spec A)
5	186-6676	6	Screw, Hex Head Cap (M10 x 1.5 x 20mm)	25	186-6319	1	Bracket, Left Guard (Spec A)
6			Cowl, Radiator	26	186-6315	1	Guard, Left Fan (Spec A)
			Spec A	27	186-6314	1	Guard, Right Fan (Spec A)
			GNAA	28	186-7196	1	Guard, Bottom Right Fan (Begin Spec B)
186-6375-00	1		Green	29	186-7195	1	Guard, Top Right Fan (Begin Spec B)
186-6375-06	1		Sandstone	30	186-7103	1	Guard, Top Left Fan (Begin Spec B)
			GNAB, GNAC	31	186-7117	1	Guard, Bottom Left Fan (Begin Spec B)
186-6317-00	1		Green	32	186-7197	1	Plate, Alternator Adjustment (Begin Spec B)
186-6317-06	1		Sandstone				
			Begin Spec B				
			GNAA				
			GNAB, GNAC				
7	186-6824	1	Valve, Drain				
8	186-6823	1	Gasket, Drain Plug				
9	186-6822	1	Plug, Drain				
10	186-6668	AR	Screw, Hex Head Cap				
11			Cover, Radiator Support (Unhoused Units)				
			Spec A				
			Begin Spec B				

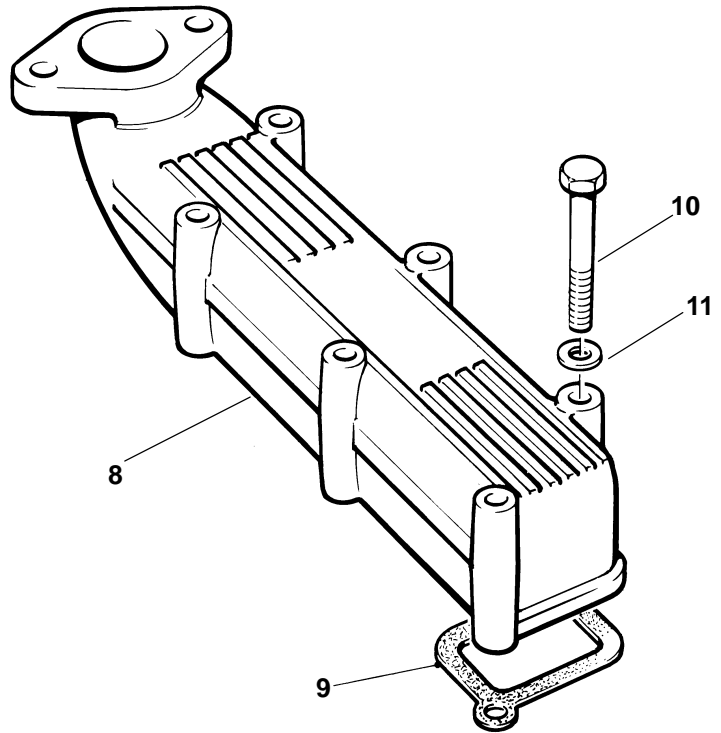
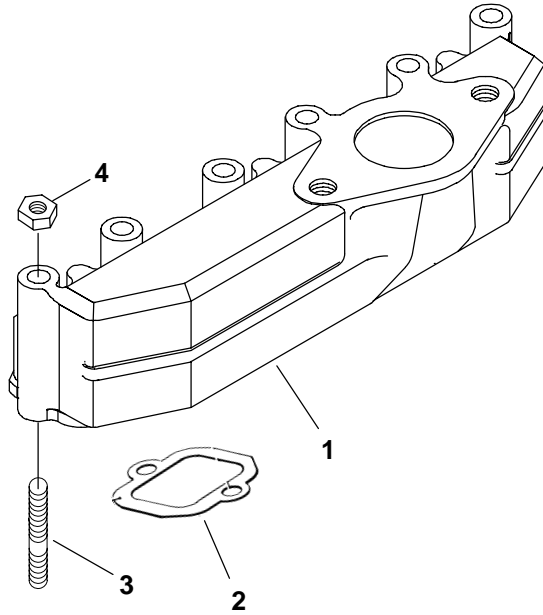
* – Parts Included in Radiator Kit.

Coolant Heater



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	333-0617-01	1	Kit, Coolant Heater	8	186-6631	1	Adapter, Cylinder Head
	333-0617-02	1	120V (H036)	9	186-6372	1	Bracket, Heater
1	186-6451	4	208/240V (H540)	10	186-6632	1	Bend, Hose
2	186-6475	1	Clamp, Hose (7/16")	11			Hose
3	186-6495	1	Clamp, Tubing (3/4")		186-6657	1	GNAA (18")
4	186-6496	1	Barb, Hose		186-6658	1	GNAB (22")
5	186-6941	1	Barb, 90° Hose		186-6659	1	GNAC (26")
6	186-6617	4	Elbow, Street (3/8")	12	186-6209	4	Nut, Hex (M6 x 1)
7			Washer, Flat Spring (M6)	13	186-6546	4	Screw, Hex Head Cap (M6 x 1 x 16mm)
			Heater, Coolant (Includes	14	186-6591	4	Washer, Flat
			Thermostat and Element)	15	186-6624	1	Fitting, Conduit (1/2")
	333-0588-01	1	120V	16	186-6911	2	Screw, Self Tapping (#8 x 3/4")
	333-0588-02	1	208/240V				
	333-0545	1	Thermostat, Coolant Heater				
			Element, Coolant Heater				
	333-0546	1	120V				
	333-0547	1	208/240				

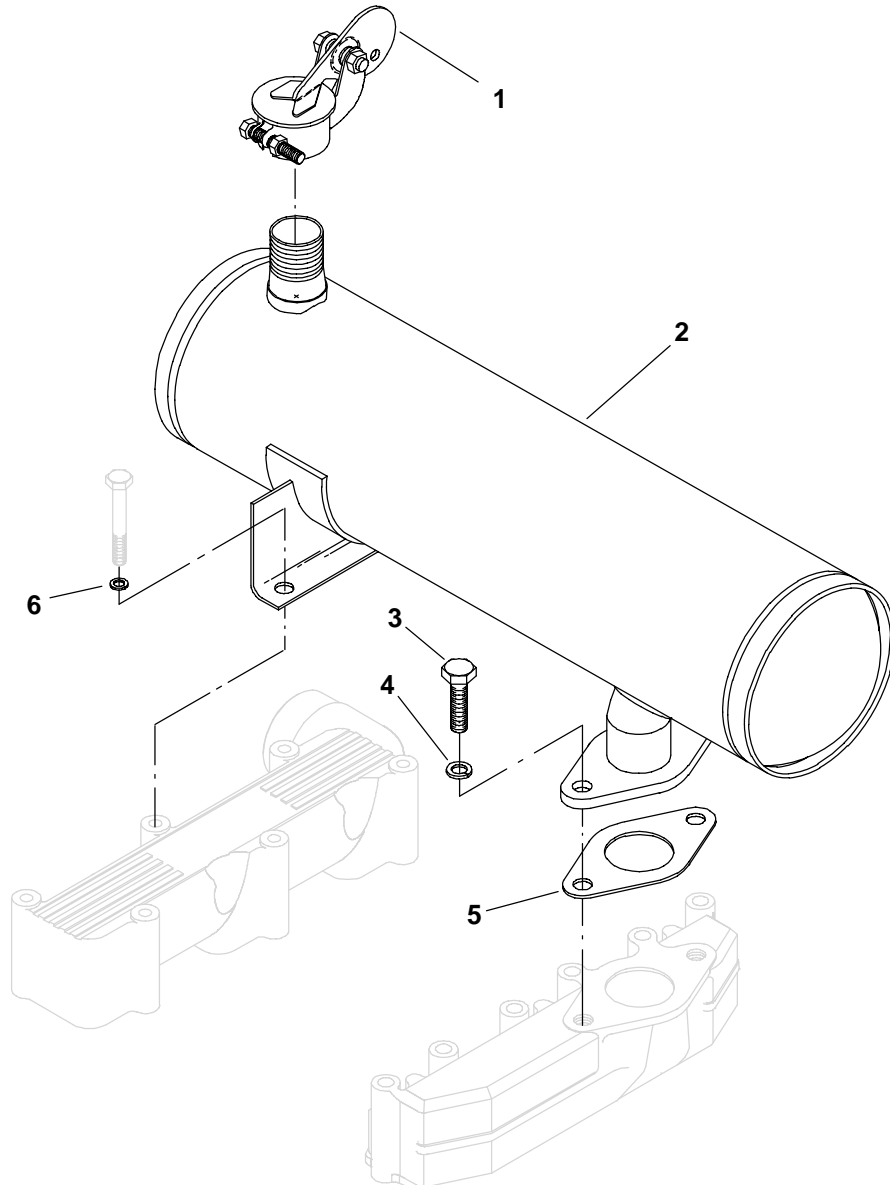
Manifold



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Manifold, Exhaust (Includes Manifold Gaskets)
	186-7001	1	GNAA
	186-6456	1	GNAB
	186-7002	1	GNAC
2			Gasket, Exhaust Manifold
	186-6206	2	GNAA
	186-6206	3	GNAB
	186-6206	4	GNAC
3			Stud (M6)
	186-6208	4	GNAA
	186-6208	6	GNAB
	186-6208	8	GNAC
4			Nut (M6 x 1)
	186-6209	4	GNAA
	186-6209	6	GNAB
	186-6209	8	GNAC
5	186-6459	1	Plug, Heater (Includes Screw)
6	186-6841	1	Screw

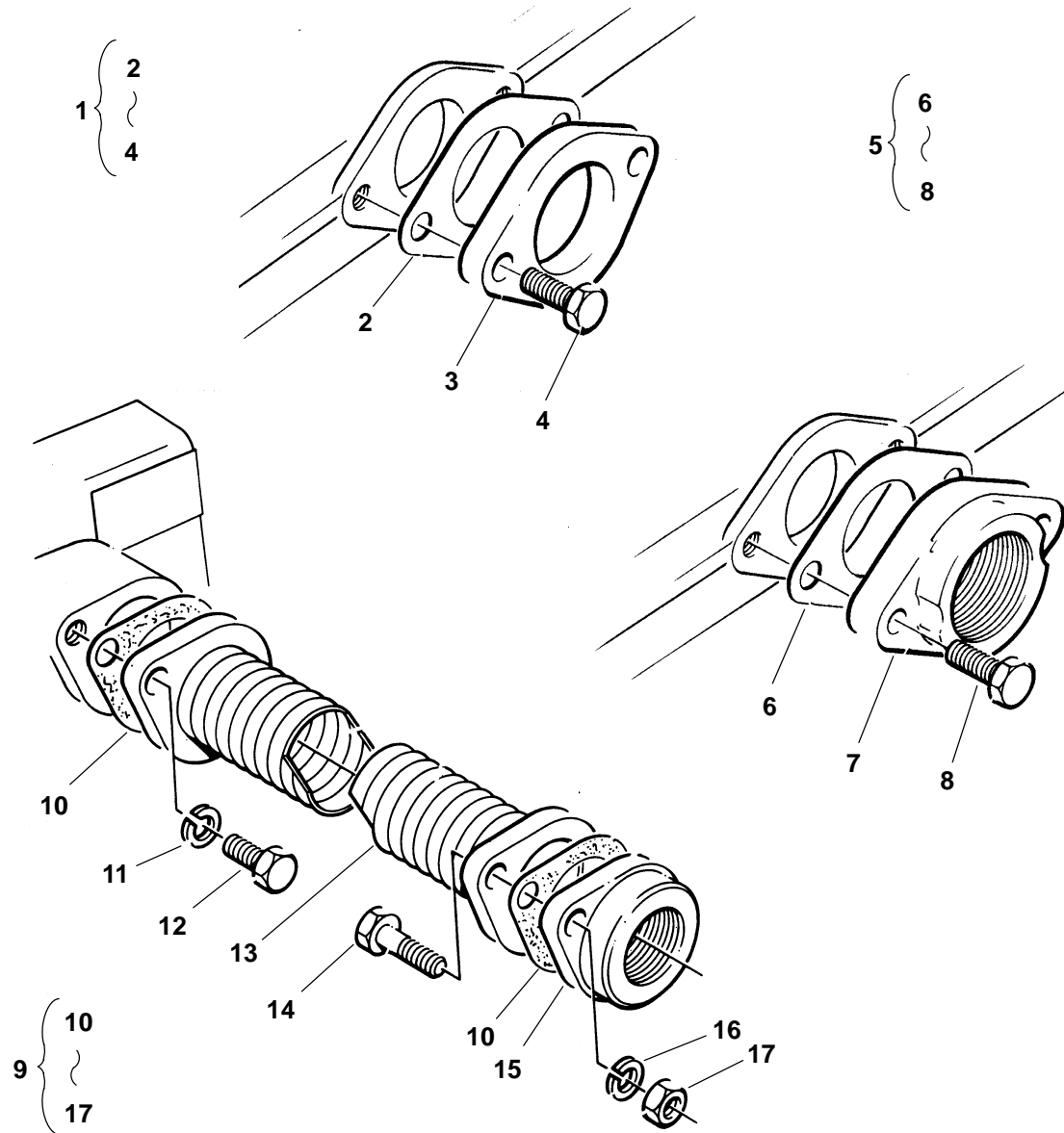
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
7	186-6454	1	Restrictor, Inlet Manifold (Includes Decal)
8			Manifold, Inlet
	186-6728	1	GNAA
	186-6452	1	GNAB
	186-6729	1	GNAC
9			Gasket, Inlet Manifold
	186-6202	4	GNAA
	186-6202	6	GNAB
	186-6202	8	GNAC
10			Bolt (M6 x 1 x 75mm)
	186-6203	4	GNAA
	186-6203	6	GNAB
	186-6203	8	GNAC
11			Washer (M6)
	186-6015	4	GNAA
	186-6015	6	GNAB
	186-6015	8	GNAC

Muffler



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-3140	1	Kit, Industrial Muffler (Includes Parts Marked *)	3	186-6676	2	*Screw, Hex Head Cap (M10 x 1.5 x 20mm)
			Cap, Rain	4	186-6619	2	*Washer, Flat (M10)
			Spec A (1-1/2")	5	186-6683	1	*Gasket, Muffler (Fibre)
	186-6939	1	* Industrial	6	186-6933	2	*Washer
2	186-6981	1	Critical	* – Parts Included in Industrial Muffler Kit.			
	186-6634	1	Begin Spec B (2")				
			Muffler				
			Spec A				
	186-6612	1	* Industrial				
	186-6982	1	Critical				
			Begin Spec B (Critical)				
	186-6982	1	GNAA, GNAB				
	186-7063	1	GNAC				

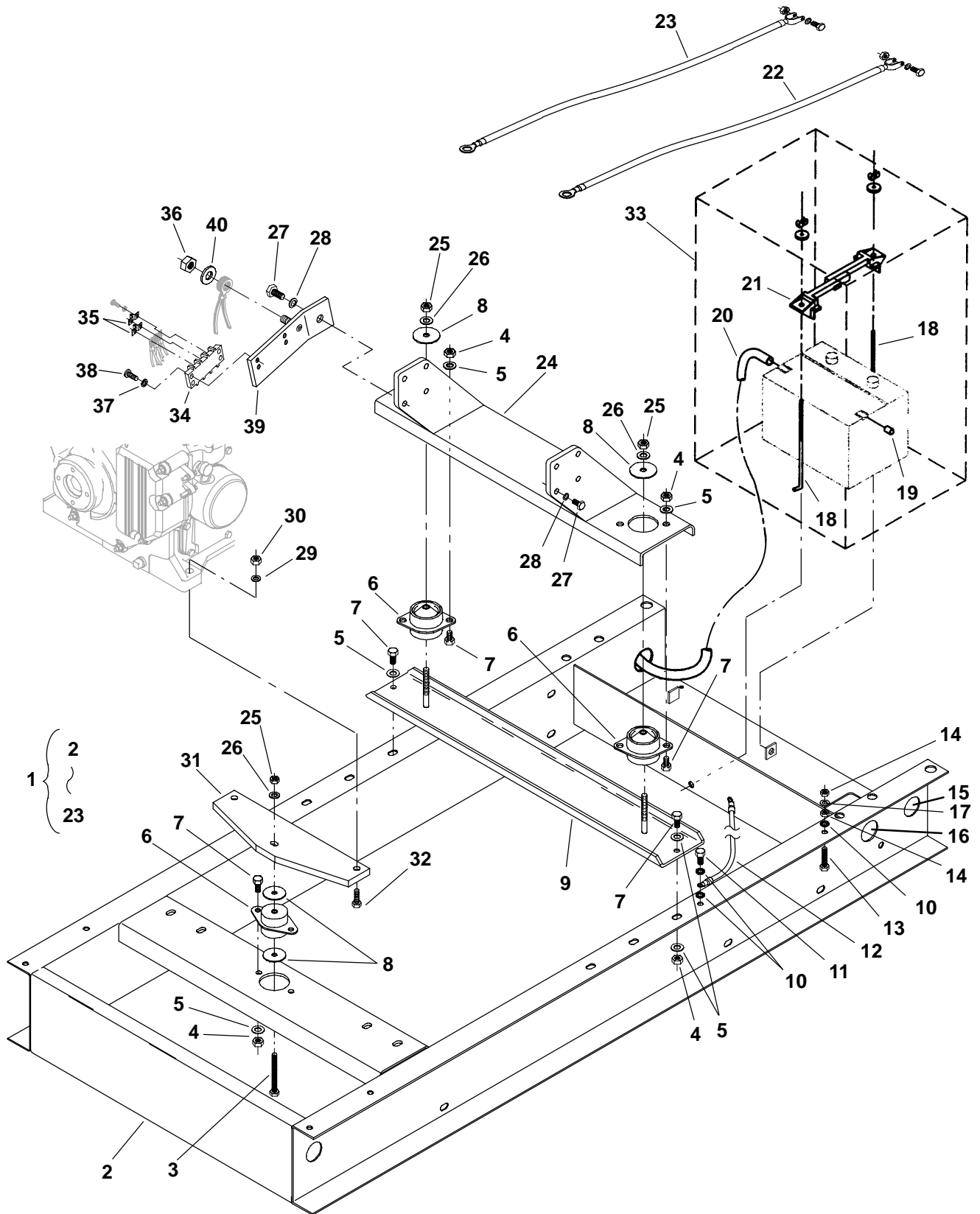
Exhaust Flanges



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-3210	1	Kit, Unthreaded Exhaust Flange (Includes Gasket, Flange and Screw)	9	155-3211	1	Kit, Flexible Exhaust Pipe (Includes Parts Marked *)
2	186-6683	1	Gasket	10	186-6683	2	*Gasket
3	186-6845	1	Flange, Exhaust	11	186-6671	2	*Washer, Spring
4	186-6570	2	Screw, Hex Head Cap	12	186-6672	2	*Screw, Hex Head Cap (M10 x 30mm)
5	155-3209	1	Kit, Threaded Exhaust Flange (Includes Gasket, Flange and Screw)	13	186-6847	1	*Pipe, Flexible Exhaust
6	186-6683	1	Gasket	14	186-6848	4	*Bolt (3/8" UNF x 1-3/4")
7	186-7036	1	Flange, NPT Exhaust	15	186-6843	2	*Flange, Mating
8	186-6672	2	Screw, Hex Head Cap (M10 x 1.5 x 30mm)	16	186-6849	4	*Washer, Spring
				17	186-6900	4	*Nut

* – Parts Included in Flexible Exhaust Pipe Kit.

Mounting Base



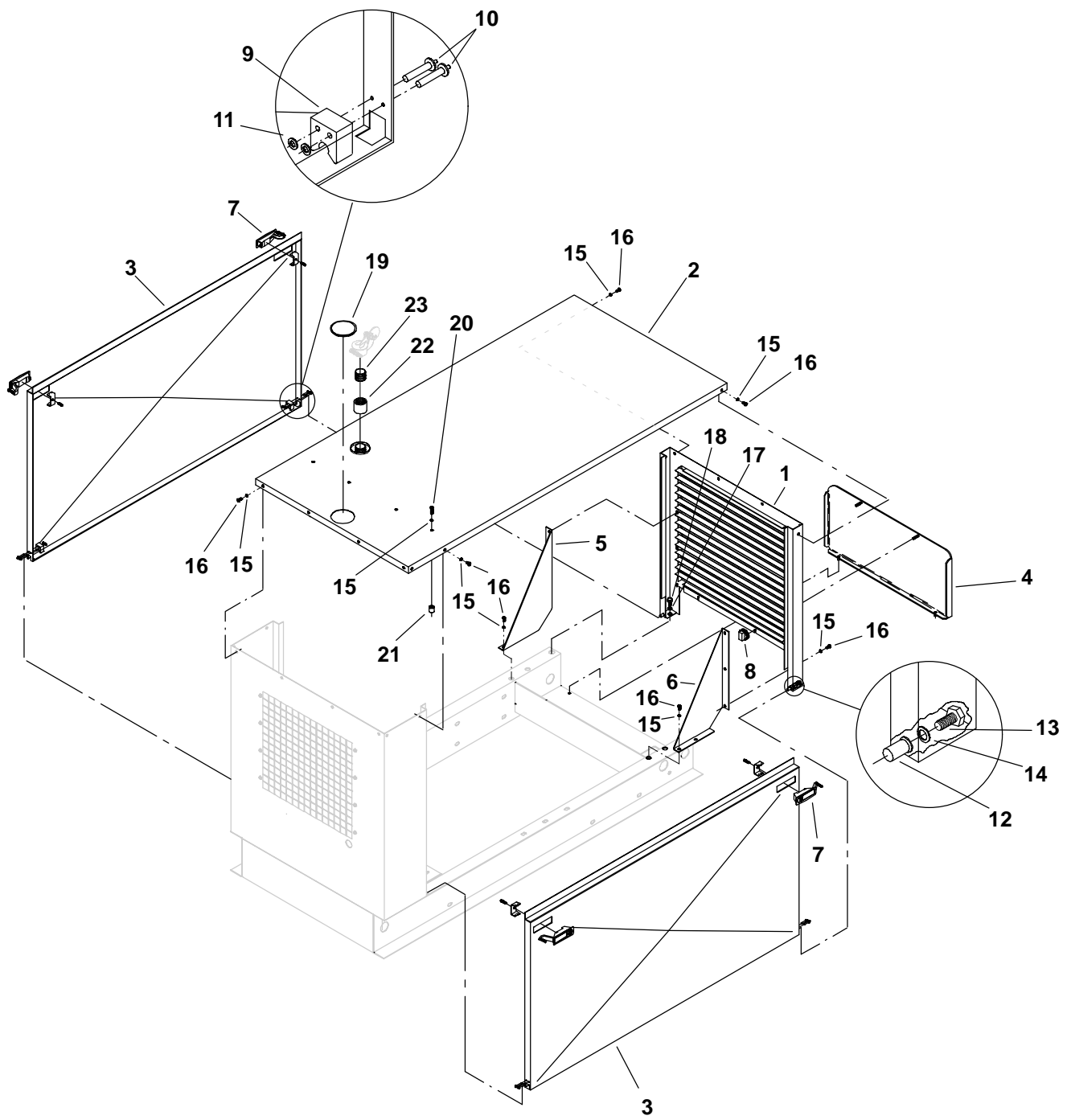
Mounting Base

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Kit, Skid Base (Spec A) (Includes Parts Marked +)	22			Cable, Positive Battery + Spec A
	403-4282	1	GNAA		186-6333	1	GNAA
	403-4148	1	GNAB		186-6334	1	GNAB, GNAC
2			Base, Mounting + Spec A				Begin Spec B
	186-6300-00	1	Green		186-7171	1	GNAA
	186-6300-06	1	Sandstone		186-7172	1	GNAB
	186-6898	1	Begin Spec B		186-7173	1	GNAC
3			Screw, Hex Head Cap	23			+ Cable, Negative Battery
	186-7046	1	+ Spec A (M10 x 1.5 x 80mm)		186-6336	1	GNAA
	186-6638	1	Begin Spec B (7/16-14 x 3-1/4")		186-6337	1	GNAB, GNAC
4	186-6665	8	+Nut, Hex (M10 x 1.5)	24	186-6301	1	Brace, Rear Engine
5	186-6619	10	+Washer, Spring (M10)	25	186-6449	3	Nut, Hex (7/16")
6			Mount Engine	26	186-6637	3	Washer, Spring (7/16")
			+ Spec A	27	186-6672	8	Screw, Hex Head Cap (M10 x 1.5 x 30mm)
	186-6305	3	GNAA	28	186-6976	8	Washer, Spring (5/15")
	186-6304	3	GNAB	29	186-6620	2	Washer, Spring (M12)
	186-6303	3	GNAC	30	186-6666	2	Nut, Lock (M12 x 1.75)
			Begin Spec B	31	186-6306	1	Plate, Front Engine
	402-0676-01	3	GNAA, GNAB	32	186-6674	2	Screw, Hex Head Cap (M12 x 1.75 x 55mm)
	402-0676-02	3	GNAC	33	416-1042	1	Kit, Battery Vent Hose (Includes Parts Marked * and Washers/Nuts)
7	186-6676	8	+Screw, Hex Head Cap (M10 x 1.5 x 20mm)	34	332-0611	1	Block, Terminal (Use With Detector Control)
8	186-6379	4	+Washer, Rebound	35	332-1043	2	Jumper, Terminal Block (Use With Detector Control)
9			+Foot, Sliding	36	186-6020	2	Nut, Hex (M8 x 1.25) (Use With Detector Control)
	186-6307-00	1	Green	37	186-6371	2	Washer, Lock (M4) (Use With Detector Control)
	186-6307-06	1	Sandstone	38	186-6370	2	Screw, Machine (M4 x 0.7 x 16mm) (Use With Detector Control)
10	186-6623	3	+Washer, EIT (5/16")	39	186-6369	1	Bracket, Mounting (Use With Detector Control)
11	186-6668	1	+Screw, Hex Head Cap (M8 x 1.25 x 16mm)	40	186-6618	1	Washer, Spring (M8) (Use With Detector Control)
12	186-6340	1	+Cable, Ground				
13	186-6669	1	+Screw, Hex Head Cap (M8 x 1.25 x 25mm)				
14	186-6274	2	+Nut, Hex (M8 x 1.25)				
15	517-0138-08	4	Plug, Hole (Begin Spec B)				
16	517-0138-07	1	Plug, Hole (Begin Spec B)				
17	186-6019	1	+Washer, Spring (M8)				
18	186-6406	2	+*Bolt, Hold-Down (1/4-20)				
19	186-6854	1	+*Cap				
20	186-6853	1	+*Hose (5/16 ID x 15)				
21	186-6835	1	+*Hold-Down, Battery				

+ – Parts Included in Skid Base Kit (Spec A)

* – Parts Included in Battery Vent Hose Kit.

Housing (F1) (Spec A)

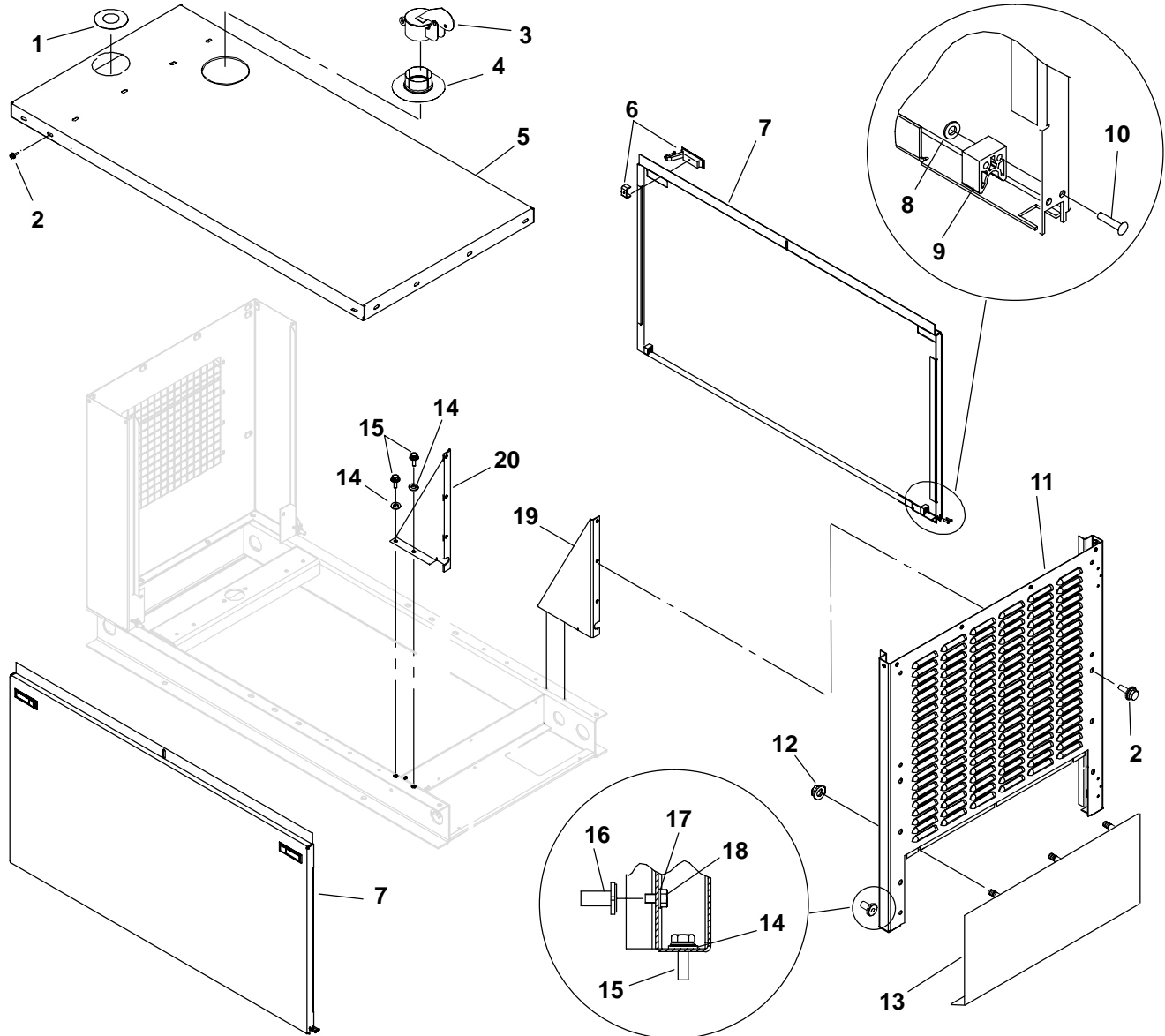


Housing (F1) (Spec A)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Kit, Housing (Includes Parts Marked *)	7	186-6611	4	*Latch, Lockable Lever
	405-5815	1	GNAA	8	140-2761	2	*Knob, Air Cleaner
	405-5816	1	GNAB, GNAC	9	405-1872	4	*Clip, Door
1			*Panel, Rear	10	818-0150	8	*Rivet, Pivot Block
	186-6322-00	1	Green	11	526-0003	8	*Washer, Rivet
	186-6322-06	1	Sandstone	12	870-0258	4	*Pin, Door Pivot
2			*Panel, Top	13	186-6664	4	*Screw, Hex Head Cap (1/4-20 x 1/2")
			GNAA	14	186-6974	4	*Washer, Flat Spring (M6)
	186-6378-00	1	Green	15	186-6975	24	Washer, Flat (M8)
	186-6378-06	1	Sandstone	16	186-6668	24	*Screw, Hex Head Cap (M8 x 1.25 x 16mm)
			GNAB, GNAC	17	186-6976	2	Washer, Spring Flat (M10)
	186-6324-00	1	Green	18	186-6676	2	Screw, Hex Head Cap (M10 x 1.5 x 20mm)
	186-6324-06	1	Sandstone	19	186-6640	1	Plug, Button (4")
3			*Door, Housing	20	186-6670	4	Screw, Hex Head Cap (M8 x 1.25 x 40mm)
	186-6320-00	2	Green	21	186-6641	4	Spacer
	186-6320-06	2	Sandstone	22	186-6616	1	Coupling, Pipe
4			*Cover, Battery	23	186-6299	1	Nipple, Close
	186-6323-00	1	Green				
	186-6323-06	1	Sandstone				
5			*Strut, Right Side Housing				
	186-6326-00	1	Green				
	186-6326-06	1	Sandstone				
6			*Strut, Left Side Housing				
	186-6325-00	1	Green				
	186-6325-06	1	Sandstone				

* – Parts Included in Housing Kits.

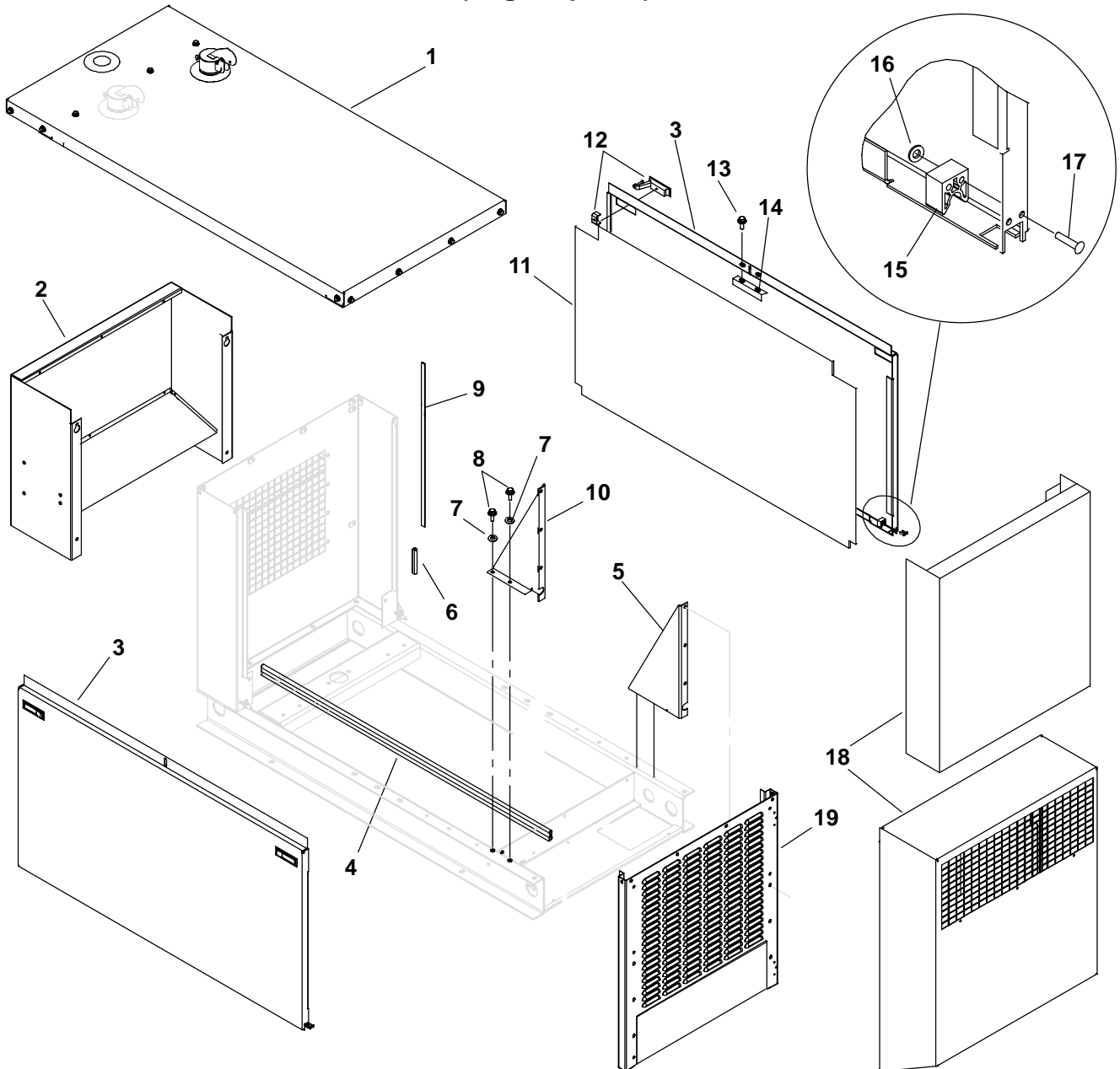
Housing (F183, F184) (Begin Spec B)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	186-6640	1	Plug, Button (4")
2	821-6007-02	24	Screw, Hex Head Sems (M8 x 1.25 x 20mm)
3	186-6634	1	Cap, Rain
4	186-7147	1	Shield, Rain
5			Panel, Top
	186-6892	1	GNAA
	186-6893	1	GNAB, GNAC
6	186-6611	4	Latch
7	186-6887	2	Panel, Door
8	526-0003	8	Washer, Flat (#8)
9	405-1872	4	Clip, Door
10	818-0150	8	Rivet, Drive (5/32)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
11	186-6899	1	Panel, Rear
12	140-2761	3	Knob
13	186-6896	1	Cover, Battery
14	186-6975	6	Washer (M8)
15	186-6064	6	Screw, Hex Head Cap (M8 x 1.25 x 20mm)
16	870-0258	4	Rivet, Pivot Block
17	186-6974	4	Washer, Flat (M6)
18	186-6664	4	Screw, Hex Head Cap (1/4-20 x 1/2")
19	186-6881	1	Strut, Housing (Left)
20	186-7109	1	Strut, Housing (Right)

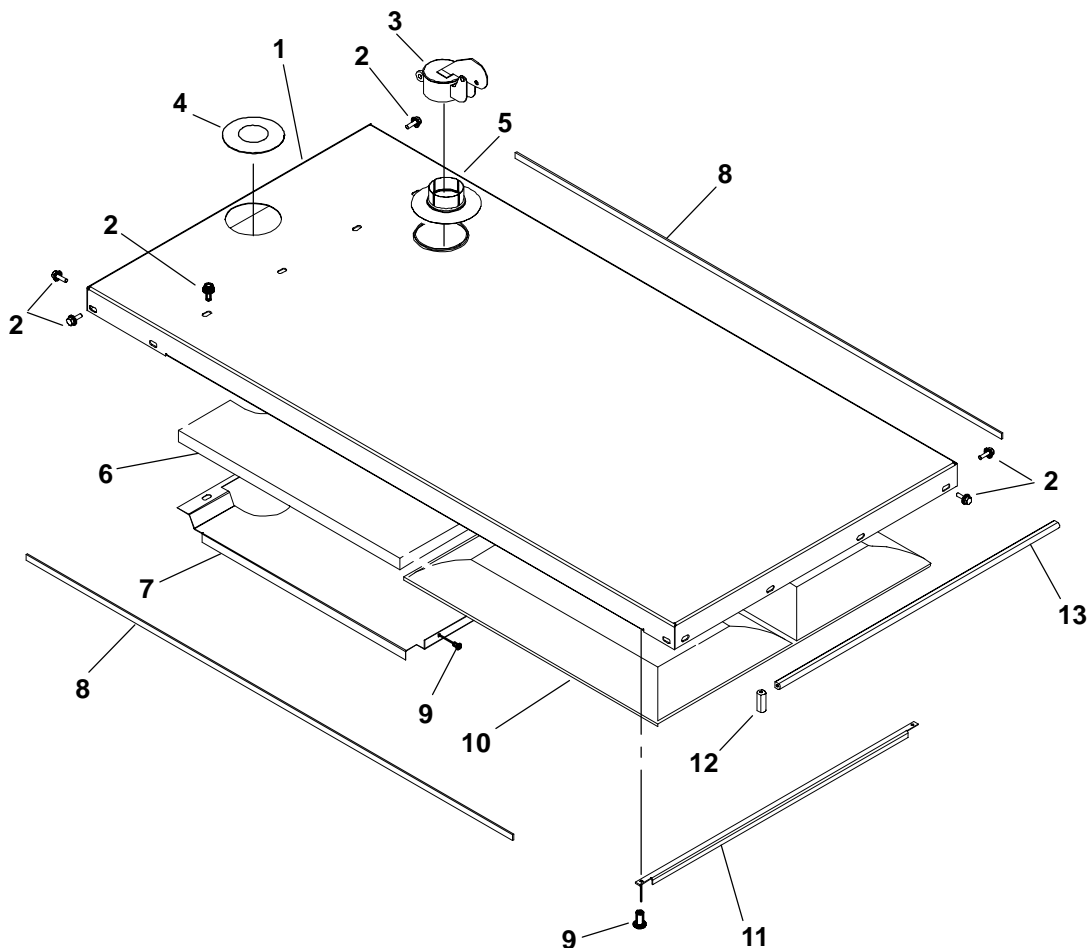
Housing (F172, F173) (Begin Spec B)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	-	1	Panel, Top (See Separate Page for Components)
2	-	1	Duct, Front (F173) (See Separate Page for Components)
3	186-6887	2	Panel, Door
4	186-7164	2	Seal, Sound (1270mm)
5	186-6881	1	Strut, Housing (Left)
6	186-7163-05	2	Seal, Sound (90mm)
7	186-6975	4	Washer (M8)
8	186-6064	4	Screw, Hex Head Cap (M8 x 1.25 x 20mm)
9	186-7162-08	2	Gasket (704mm)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
10	186-7109	1	Strut, Housing (Right)
11	186-7154	2	Insulation, Door
12	186-6611	4	Latch
13	818-0231-02	4	Rivet, Pop
14	186-6888	2	Support, Insulation
15	405-1872	4	Clip, Door
16	526-0003	8	Washer, Flat (#8)
17	818-0150	8	Rivet, Drive (5/32)
18	-	1	Duct, Rear (F173) (See Separate Page for Components)
19	-	1	Panel, Rear (See Separate Page for Components)

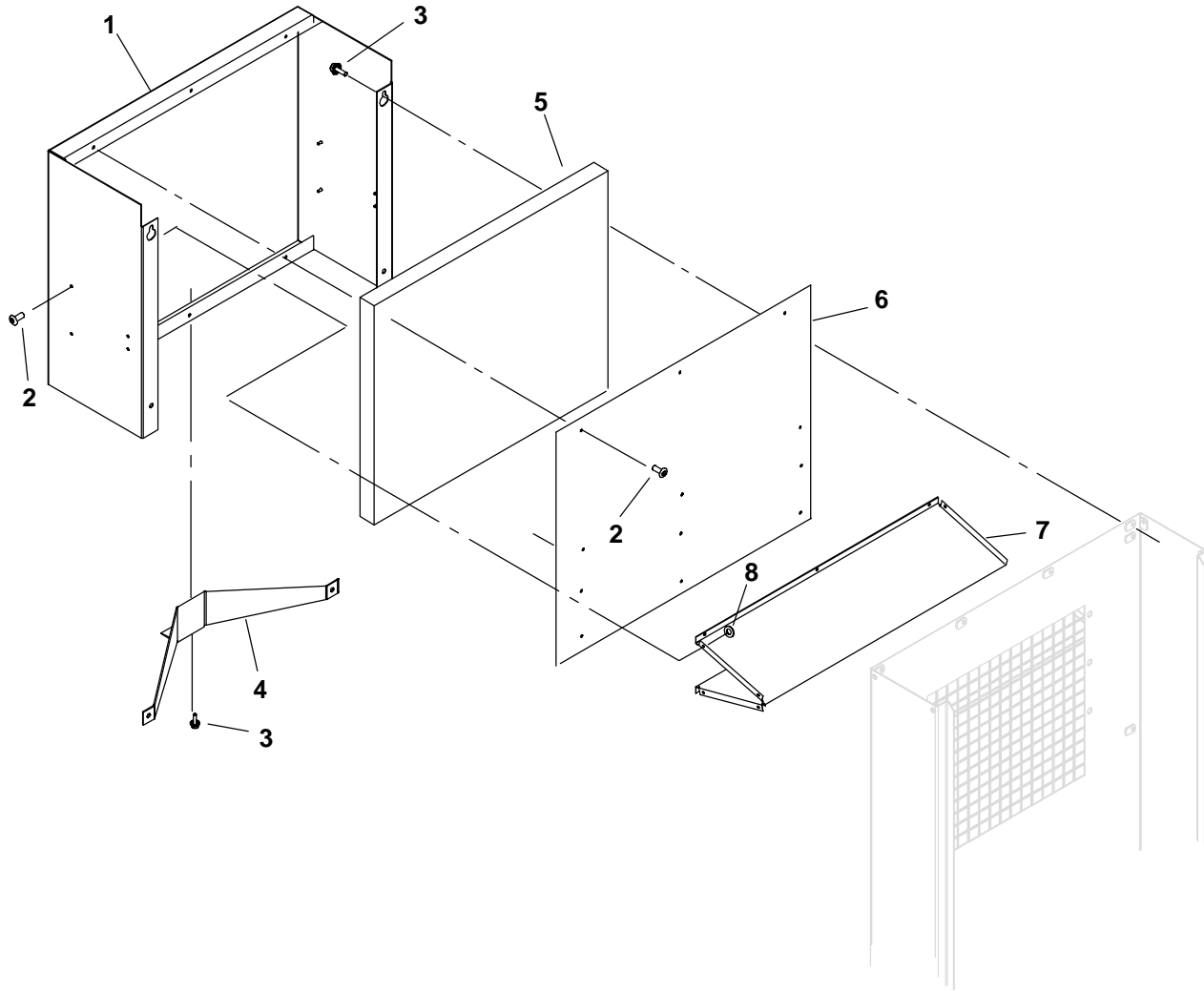
Housing - Top Panel (F172, F173) (Begin Spec B)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	186-6892	1	Panel, Top
	186-6893	1	GNAA
		1	GNAB, GNAC
2	821-6007-02	18	Screw, Hex Head Sems (M8 x 1.25 x 20mm)
3	186-6634	1	Cap, Rain
4	186-6640	1	Button, Plug (4")
5	186-7147	1	Shield, Rain
6	186-7155	1	Insulation, Front Top
7	186-7151	1	Support, Insulation
8	186-7162-02	2	Gasket (1231mm)

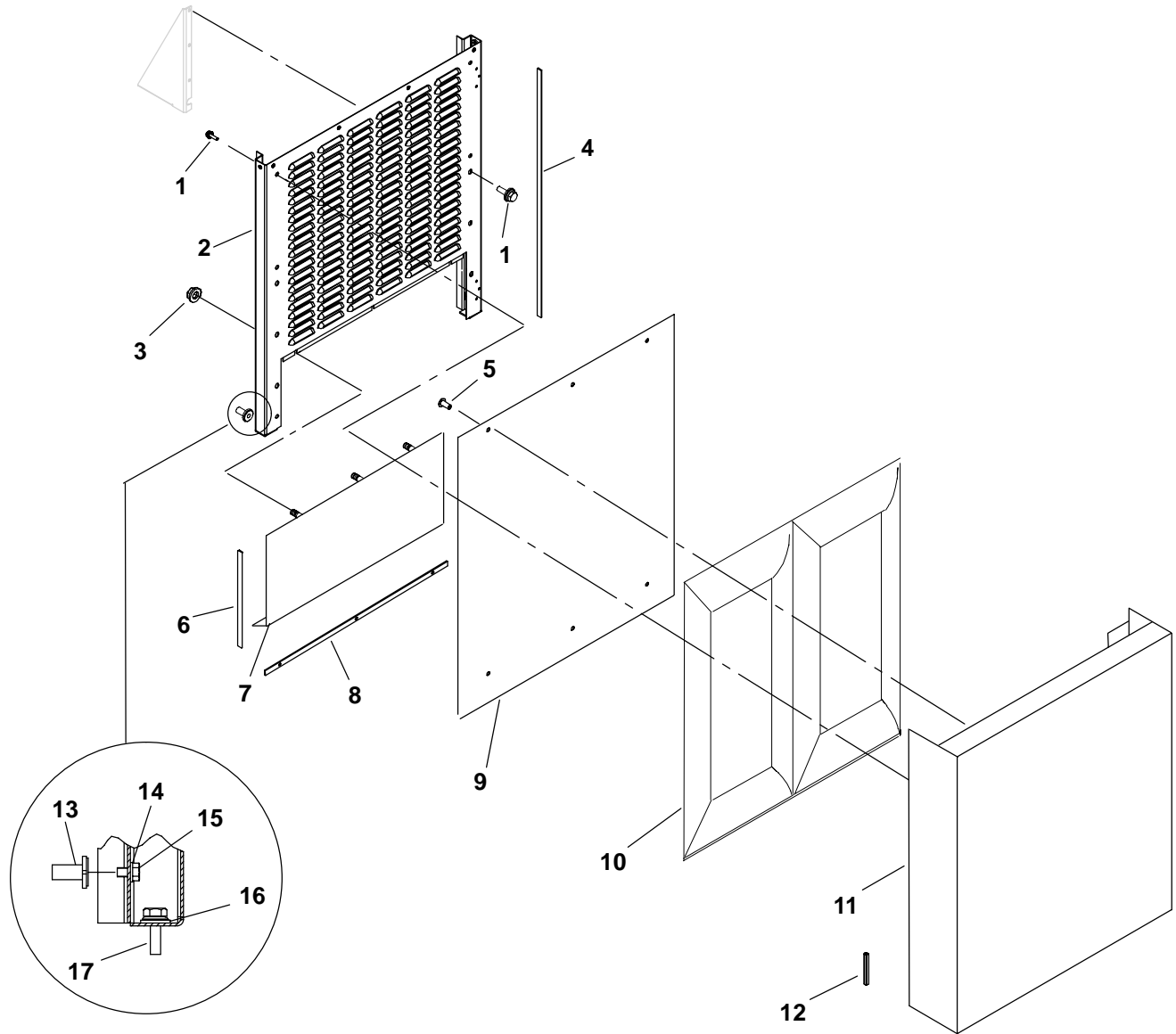
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
9			Rivet, Pop
	818-0231-02	10	Type I, II Control (Mnl/Rmt)
	818-0231-02	4	Type III Control (Detector)
10	186-7156	1	Insulation (Used With Manual/Remote Controls Only - Type I, II)
11	186-7152	3	Support, Insulation (Used With Manual/Remote Controls Only - Type I, Type II)
12	186-7163-02	1	Seal, Sound (38mm) (F173)
13	186-7163-04	1	Seal, Sound (707mm) (F173)

Housing - Front Duct (F173) (Begin Spec B)



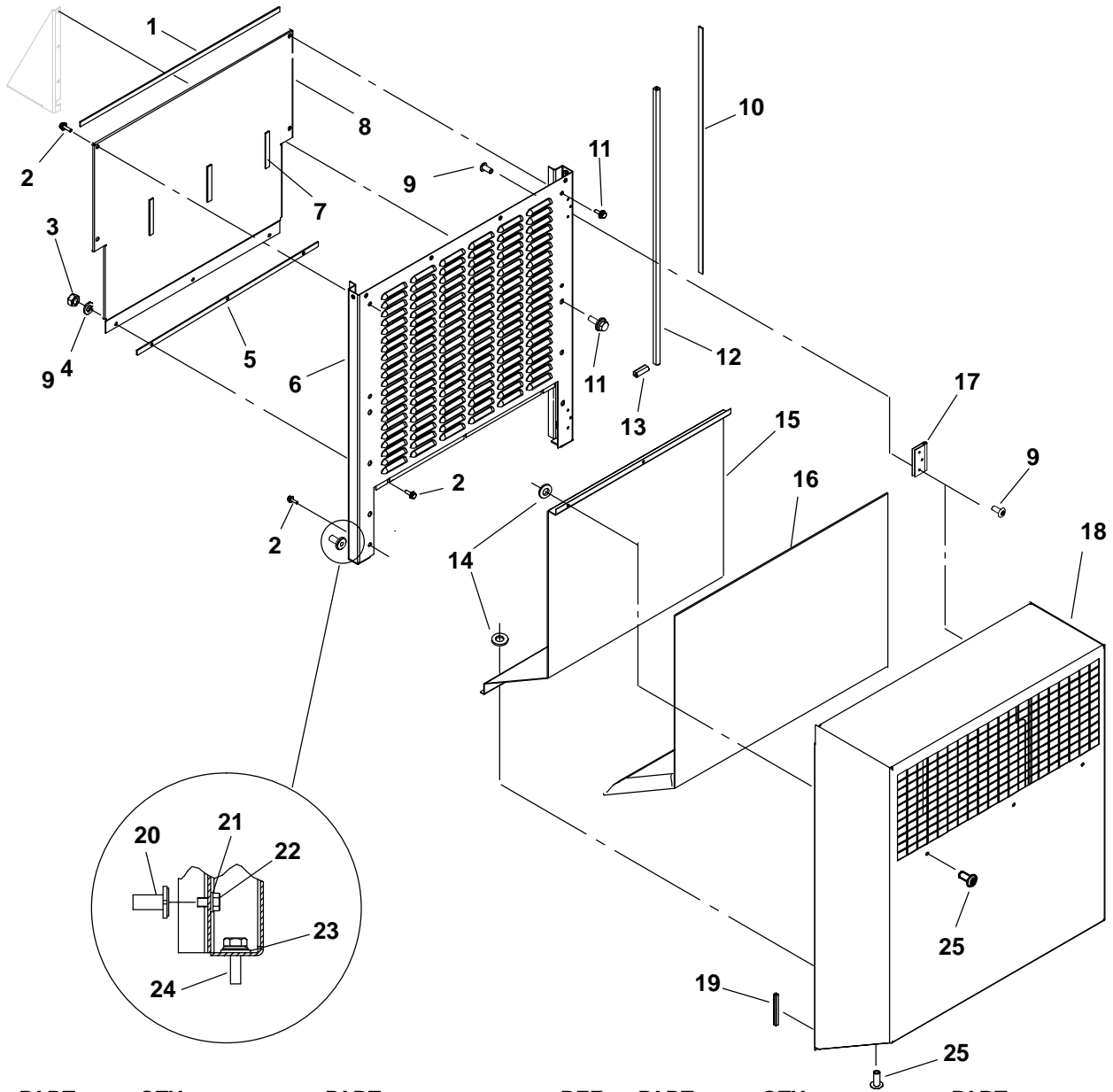
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	186-7100	1	Duct, Front GNAA, GNAB	4	186-7119-02	1	Strut, Duct GNAA, GNAB
	186-7158	1	GNAC		186-7119-04	1	GNAC
2	818-0231-01	6	Rivet, Pop GNAA, GNAB	5	186-7122	1	Insulation, Duct
	818-0231-01	20	GNAC	6	186-7149	1	Support, Insulation (Front)
3	821-6007-02	5	Screw, Hex Head Sems (M8 x 1.25 x 20mm)	7	186-7153	1	Baffle, Front DuctGNAC
				8	186-7054	14	Washer, Plain (#10)GNAC

Housing - Rear Panel (F172) (F173GNAA, GNAB) (Begin Spec B)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Screw, Hex Head Sems (M8 x 1.25 x 20mm)	8	186-7162-06	2	Gasket (606mm)
	821-6007-02	6	F172 Housing	9	186-7150	1	Support, Rear Insulation (F173)
	821-6007-02	8	F173 Housing	10	186-7156	1	Insulation, Rear Duct (F173)
2	186-6899	1	Panel, Rear	11	186-7101	1	Duct, Rear (F173)
3	140-2761	3	Knob, Air Cleaner	12	186-7163-03	2	Seal, Sound (125mm)
4	186-7162-01	2	Gasket (622mm)	13	870-0258	4	Rivet, Pivot Block
5	818-0231-01	6	Rivet, Pop (F173)	14	186-6974	4	Washer, Flat (M6)
6	186-7162-03	2	Gasket (660mm)	15	186-6664	4	Screw, Hex Head Cap (1/4-20 x 1/2")
7			Cover, Battery F172	16	186-6975	2	Washer, Flat (M8)
	186-6896	1	GNAA, GNAB	17	186-6064	2	Screw, Hex Head Cap (M8 x 1.25 x 20mm)
	186-7116	1	GNAC				
	186-6896	1	F173 GNAA, GNAB				

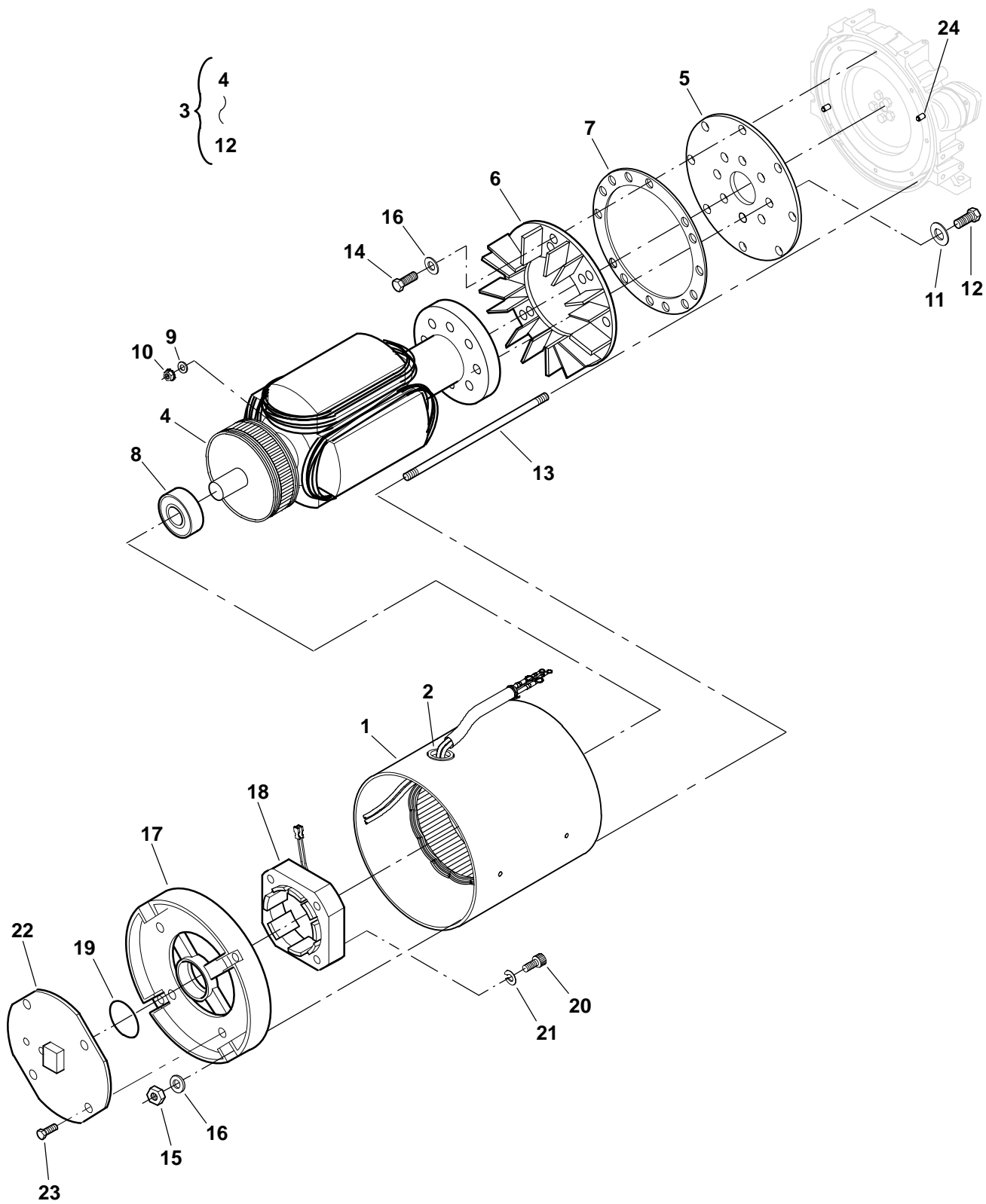
Housing - Rear Panel (F173GNAC) (Begin Spec B)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	186-7162-07	1	Gasket (660mm)
2	186-6546	6	Screw, Hex Head Cap (M6 x 1 x 30mm)
3	186-6235	3	Nut, Hex (M6 x 1)
4	186-6597	3	Washer, Split Lock (M6)
5	186-7162-06	1	Gasket (606mm)
6	186-6899	1	Panel, Rear
7	186-7162-04	3	Gasket (101mm)
8	186-7159	1	Panel, Rear
9	818-0231-02	16	Rivet, Pop
10	186-7162-01	2	Gasket (622mm)
11	821-6007-02	8	Screw, Hex Head Sems (M8 x 1.25 x 20mm)
12	186-7163-01	1	Seal, Sound (788mm)
13	186-7163-02	1	Seal, Sound (38mm)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
14	186-7054	6	Washer, Plain (M10)
15	186-7112	1	Support, Insulation
16	186-7111	1	Insulation, Rear Duct
17	406-0831	2	Hinge
18	186-7115	1	Duct, Rear
19	186-7163-03	2	Seal, Sound (125mm)
20	870-0258	4	Rivet, Pivot Block
21	186-6974	4	Washer, Flat (M6)
22	186-6664	4	Screw, Hex Head Cap (1/4-20 x 1/2")
23	186-6975	2	Washer, Flat (M8)
24	186-6064	2	Screw, Hex Head Cap (M8 x 1.25 x 20mm)
25	818-0231-01	6	Rivet, Pop (F173)

Generator

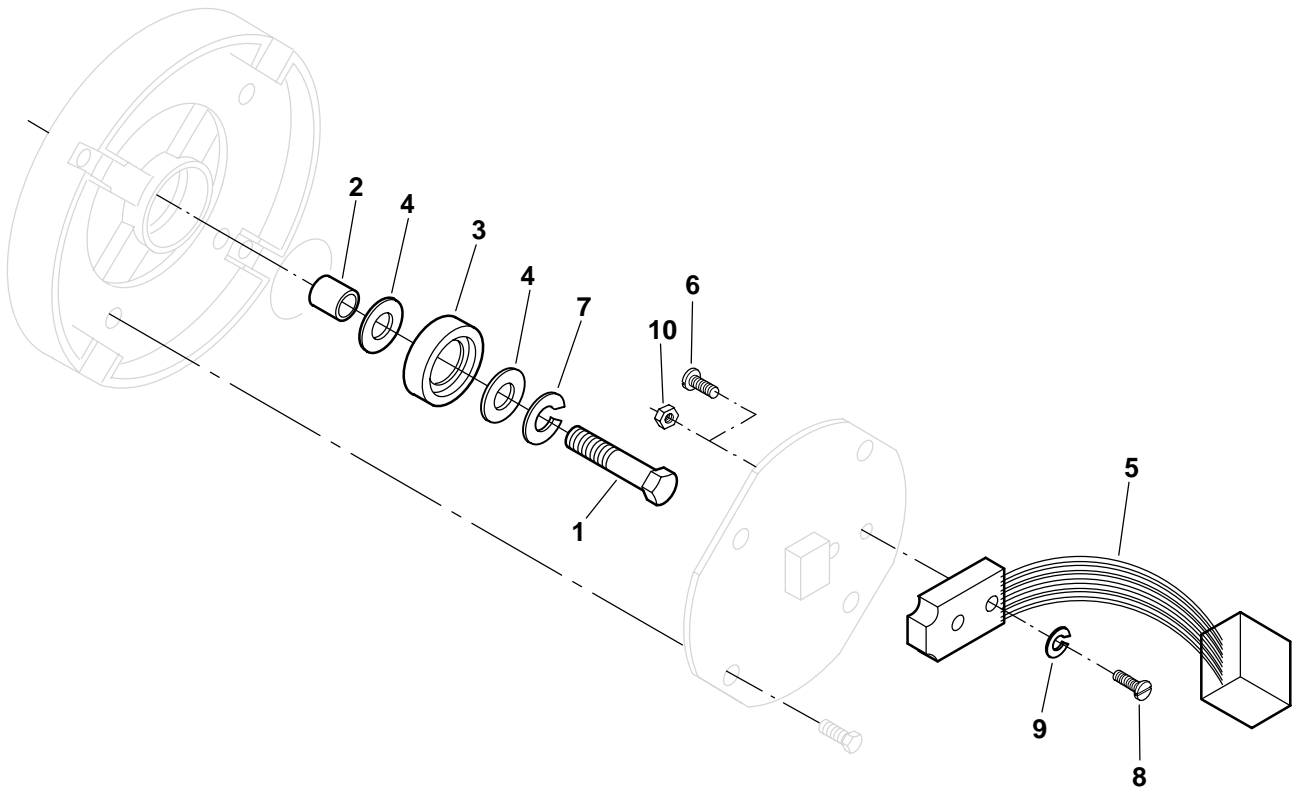


Generator

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Stator (Includes Grommet)	4	201-3515-01	1	*Rotor, Exciter
			Single Phase	5	232-3953-03	1	*Disc, Drive
	220-4524-02	1	GNAA	6	205-0229-02	1	*Fan, Generator
	220-4524-03	1	GNAB	7	232-3727-02	1	*Spacer, Drive Disc
	220-4524-04	1	GNAC	8	510-0173	1	*Bearing, Ball
			Three Phase	9	526-0399-11	2	*Washer, Flat (#10)
			Up to 480V	10	870-0131-01	2	*Nut, ET Hex (#10)
			Standard Stack	11	526-0399-73	6	*Washer, Flat (M12)
	220-4525-02	1	GNAA	12	800-3017-52	6	*Bolt, Hex Head Cap (M12 x 1.75 x 20mm)
	220-4525-03	1	GNAB				Stud
	220-4525-04	1	GNAC	13			Extended Stack
			Extended Stack				GNAA
	220-4525-03	1	GNAA		520-1004-03	4	GNAB
	220-4525-04	1	GNAB		520-1004-04	4	GNAC
	220-4525-06	1	GNAC		520-1004-06	4	Standard Stack
			+ 600V (Standard Stack)				GNAA
	220-4529-02	1	GNAA		520-1004-02	4	GNAB
	220-4529-03	1	GNAB		520-1004-03	4	GNAC
	220-4529-04	1	GNAC		520-1004-04	4	
2	508-0183	1	Grommet	14	800-3017-38	8	Screw, Hex Head Cap (M10 x 1.5 x 30mm)
3			Rotor Assy (Includes Parts Marked *)	15	862-0026-07	4	Nut, Hex (3/8-16)
			Single Phase	16	526-0399-42	12	Washer, Flat (7/8")
	201-3556-02	1	GNAA	17	211-0464	1	Endbell
	201-3556-03	1	GNAB	18	220-4413-03	1	Stator, Exciter
	201-3556-04	1	GNAC	19	509-0143	1	O'Ring, Seal
			Three Phase	20	802-0038	1	Screw (1/4-20)
			Standard Stack (B256)	21	850-0114-05	2	Washer, Lock (1/4")
	201-3556-02	1	GNAA	22	234-0957-02	4	Cover, Inlet
	201-3556-03	1	GNAB	23	821-0001-01	4	Screw, Lock Head Flange (3/16-24 x .38")
	201-3556-04	1	GNAC	24	186-6498	2	Pin, Dowel
			Extended Stack (B268)				
	201-3556-03	1	GNAA				
	201-3556-04	1	GNAB				
	201-3556-06	1	GNAC				

* – Parts Included in Rotor Assy.

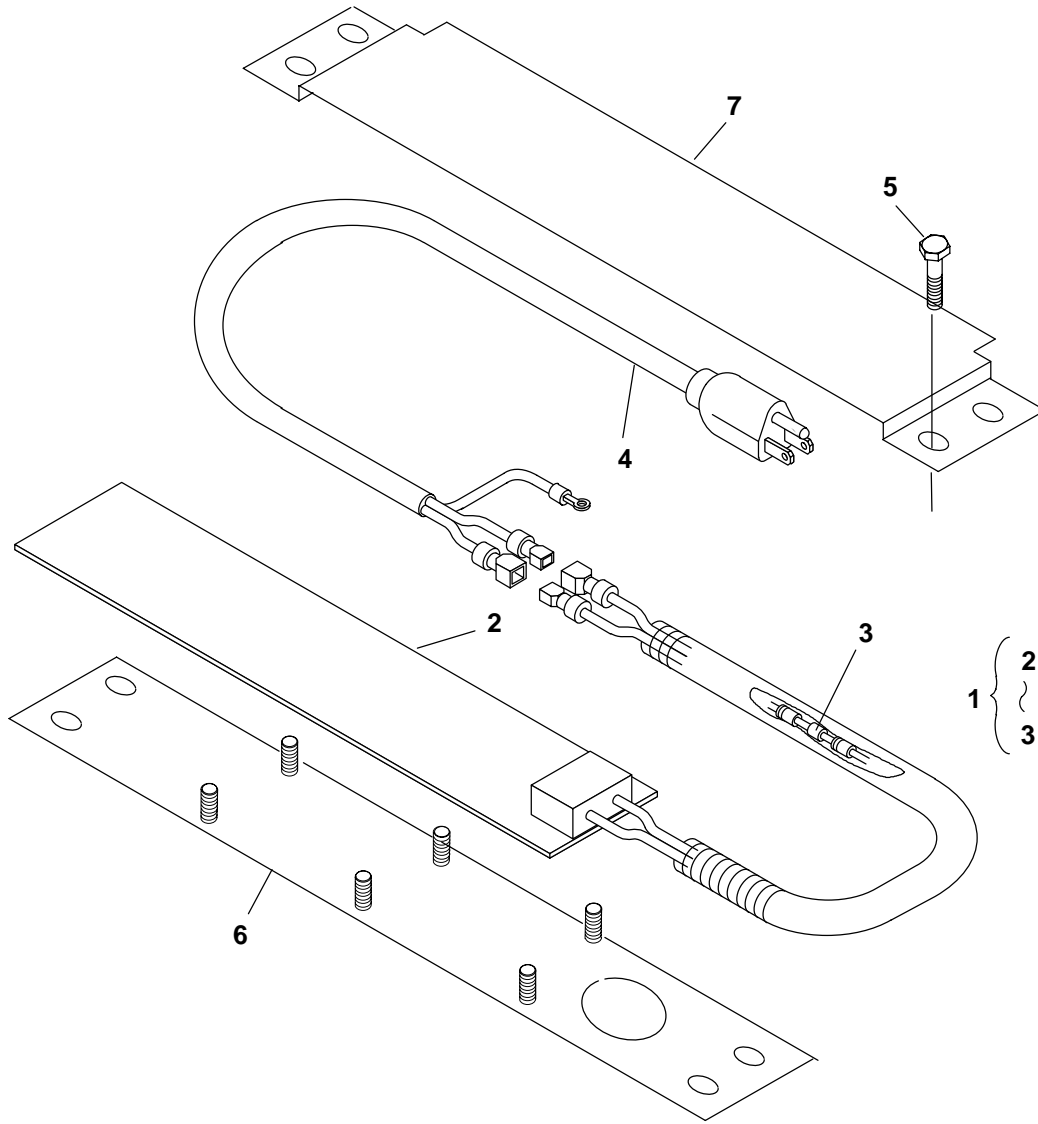
Overspeed



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	800-0515	1	Screw, Hex Head Cap (3/8-16 x 1-3/4)
2	191-2131	1	Spacer
3	166-0767	1	Rotor, Ignition
4	526-0124	2	Washer, Flat (3/8")
5	300-4324	1	PCB Assy, Overspeed
6	815-0849	2	Screw, IT Cross Recessed (#6-32 x 3/4")

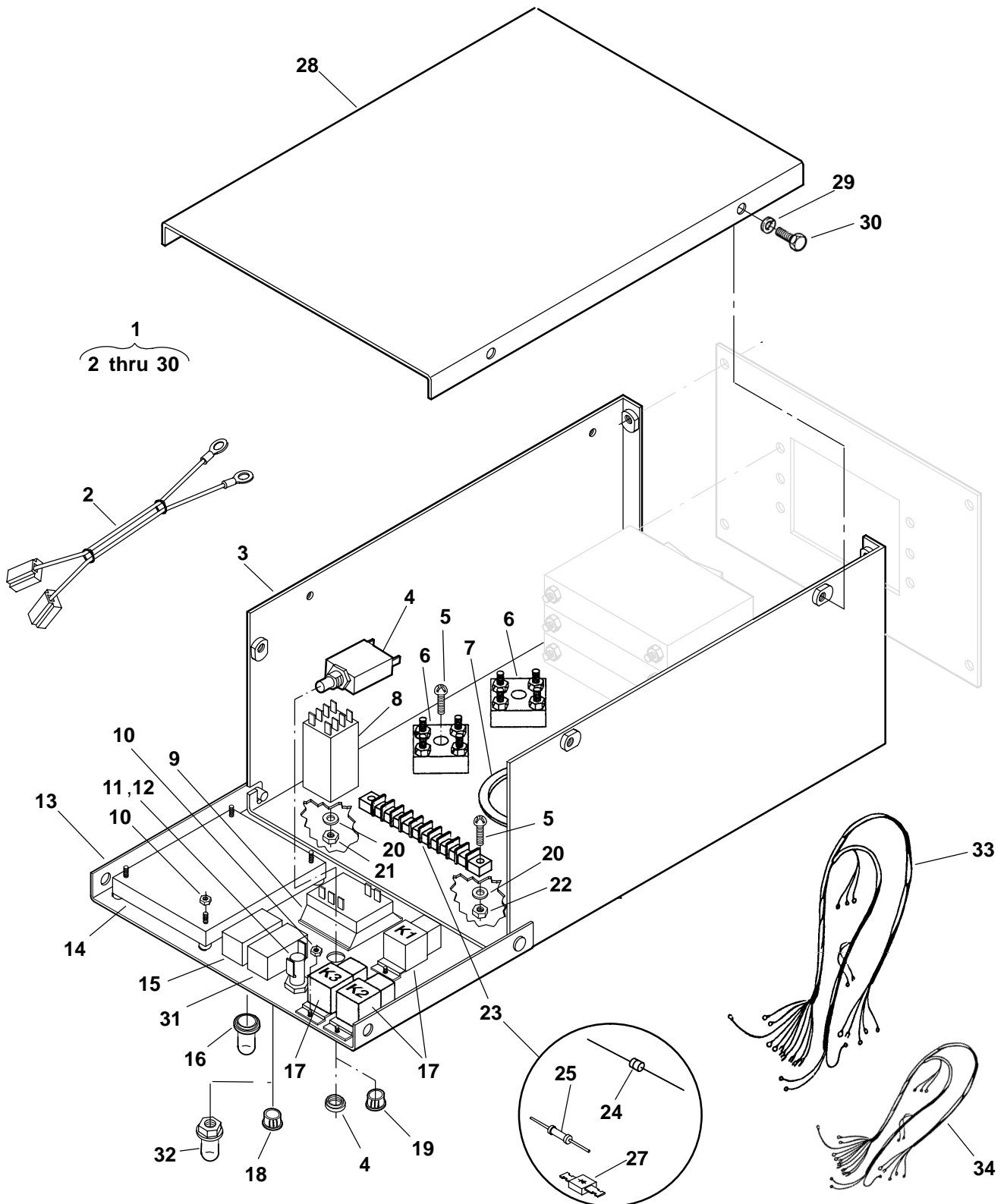
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
7	850-0050	1	Washer, Lock (3/8")
8	815-0865-13	2	Screw, Pan Head Machine (M4 x .7 x 45mm)
9	850-2004	2	Washer, Lock (M4)
10	860-2005	2	Nut, Hex (M4 x .7)

Generator Heater



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Heater Assy, Generator (Includes Heater and Splice)	4			Cable, Control Heater
	300-5137-01	1	120V		335-0110	1	120V
	300-5137-02	1	208/240V		335-0178	1	208/240V
2			Heater, Control (120V)	5	815-0578	4	Screw, Hex Washer Head (M6 x 1 x 12.7)
	333-0550-01	1	120V	6	232-3832	1	Plate, Heater Mounting
	333-0550-02	1	208/240V	7	232-3828	1	Cover, Heater
3	332-1789	2	Splice, Window (18 Gauge)				

**Control
Manual (Type I)
Remote (Type II)
(Spec A)**



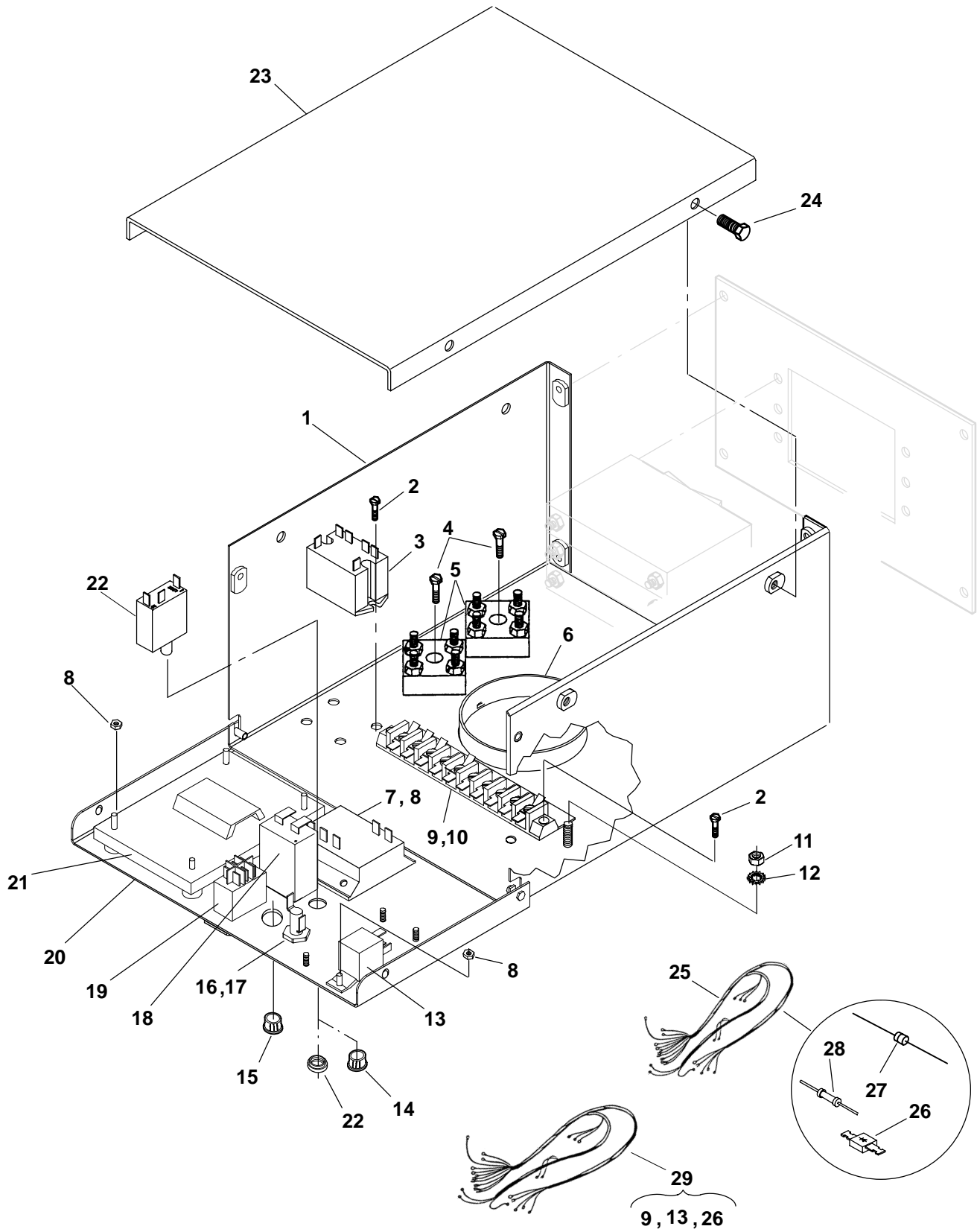
**Control
Manual (Type I)
Remote (Type II)
(Spec A)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Box Assy, Control (Includes Parts Marked *)	19	186-6357	1	* Plug, Plastic (Manual)
	186-6360	1	Manual	20			* Washer (#6)
	186-6363	1	Remote		186-6663	4	Manual
2	186-6341	1	* Harness, Voltage Sensing		186-6663	5	Remote
3	186-6310	1	* Box, Control	21	186-6832	1	* Nut (6/32) (Remote)
4	320-1139	1	* Breaker, Circuit (DC) (Remote (Includes Mounting Hardware 3/8-32 Thread)	22			* Nut (M4)
					186-6831	4	Manual
					186-6831	8	Remote
5	186-6652	4	* Screw, Phillister Head Machine (M4 x .7 x 16mm)	23	186-6356	1	* Block, DC Terminal
6	332-3249	2	* Block, AC Terminal	24	186-6859	1	* Diode Assy, Zener (3.6V, 5W) (Remote)
7	186-6359	1	* Grommet	25	186-6861	1	* Resistor Assy, Metal Oxide (Remote)
8	186-6833	1	* Relay (Remote)	26	186-6834	1	* Washer (9mm) (Remote)
9	307-2871	1	* Timer, Control Unit (Remote)	27	186-6860	2	* Diode Assy (Manual)
10			* Nut, Lock (M5)	28	186-6349	1	* Cover, Control Box
	186-6912	6	Manual	29	186-6617	10	* Washer, Flat Spring (M6)
	186-6912	7	Remote	30	186-6621	10	* Screw, Hex Head Cap (M6 x 10mm)
11	321-0175	1	* Holder, Fuse				+ Switch, Off/On Toggle
12	321-0253	1	* Fuse	31	186-6388	1	+ Seal, Switch
13	186-6347	1	* Panel, Control	32	186-6298	1	Harness, Engine
14	305-0844	1	* Regulator, Voltage	33	186-6331	1	* Harness, Panel
15			* Switch, On/Off/Start	34			
	186-6354	1	Manual		186-6382	1	Manual
	186-6362	1	Remote		186-6383	1	Remote
16	186-6298	1	* Boot, On/Off/Start Switch				
17			* Relay, Fault				
	307-2817-01	1	Manual				
	307-2817-01	3	Remote				
18	186-6358	1	* Plug, Plastic (Preheat)				

* – Parts Included in Control Box Assy.

+ – Parts Included in Manual Preheat Kit Listed on Preheat Kit Page.

**Control
Manual (Type I)
Remote (Type II)
(Begin Spec B)**

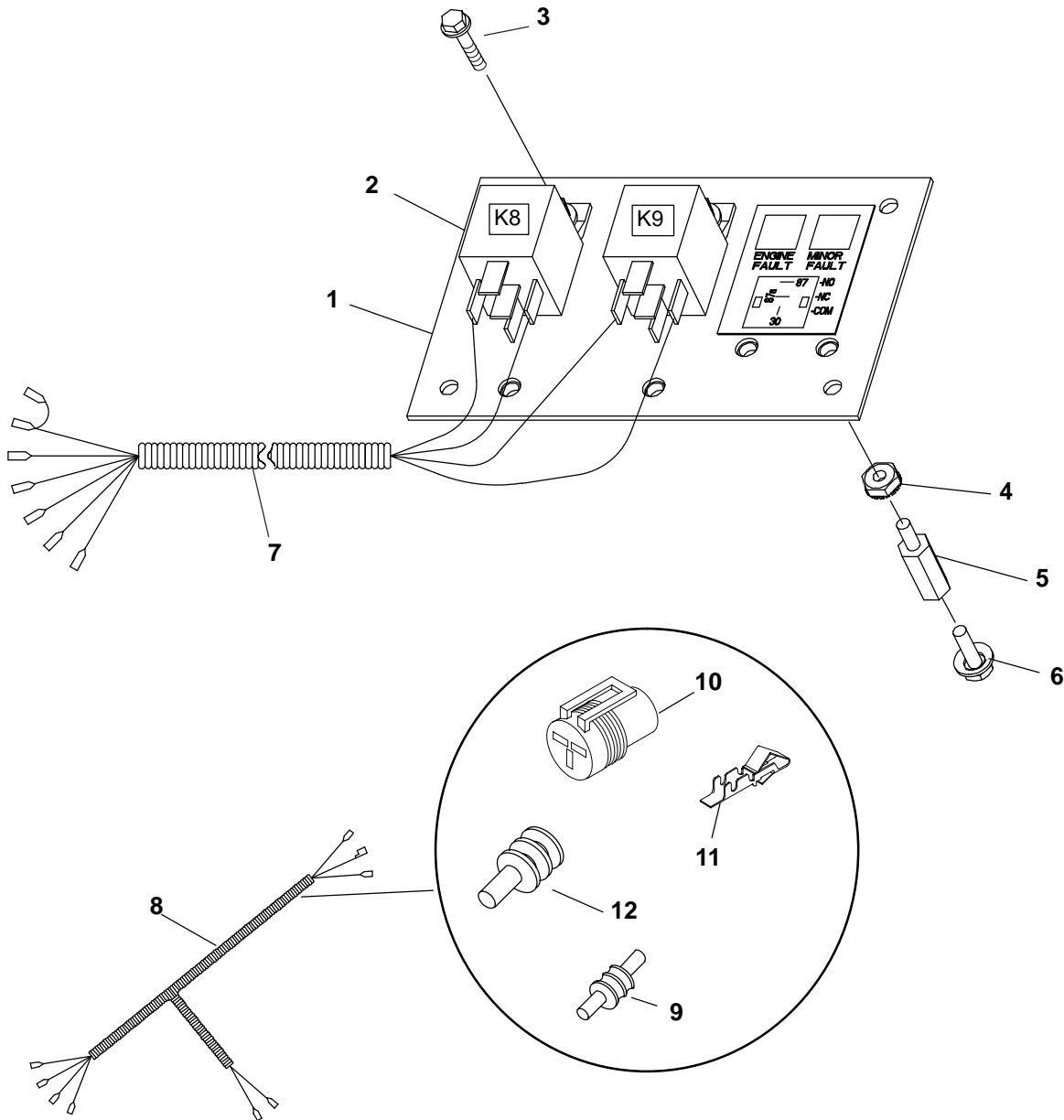


**Control
Manual (Type I)
Remote (Type II)
(Begin Spec B)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3321	1	Box, Control	18	302-2002	1	Meter, Hour (Remote Only)
2		1	Screw (M4 x .7 x 20mm)	19			Switch, On/Off/Start (S12)
	815-0925-01	2	Manual		308-1086	1	Manual
	815-0925-01	4	Remote		308-1011	1	Remote
3	307-2677-03	1	Relay (Remote)	20	319-3322	1	Panel, Control
4	821-6001-03	2	Screw, Hex Head Sems (M4 x .8 x 16mm)	21	305-0982	1	Regulator, Voltage (VR21)
5	332-3249	2	Block, AC Terminal	22	320-1824-02	1	Breaker, Circuit (DC) (Remote Only) (Includes Mounting Hardware 3/8-32 Thread)
6	508-1127	1	Bushing, Nylon				
7	307-2871	1	Timer, Control Unit (Remote)	23	319-3326	1	Cover, Control Box
8			Nut, Nylon Lock (M4)	24	821-6002-03	6	Screw, Hex Head Sems (M6 x 1 x 16mm)
	870-2064-01	5	Manual				
	870-2064-01	12	Remote	25	338-3735	1	Harness, Engine (Includes Diode, Zener, and Resistor)
9	332-3564	1	#Block, DC Terminal				
10	332-3573	1	Strip, Marker	26	357-0030	1	#Diode (CR2)
11	860-2057	1	Nut, Hex (M6)	27	359-0115	1	Zener (3.6V, 5@) (CR1)
12	856-0006	1	Washer, EIT Lock (1/4")	28	350-0980	1	Resistor (510O, 2W, 5%)
13			#Relay, Fault (K14)	29			Harness, Control (Includes Parts Marked #)
	307-2817-01	1	Manual		338-3738	1	Manual
	307-2817-01	4	Remote		338-3732	1	Remote
14	517-0131	1	Plug, Plastic (Manual Only)				
15	517-0133	1	Plug, Plastic				
16	321-0175	1	Holder, Fuse				
17	321-0353	1	Fuse (20A) (F1)				

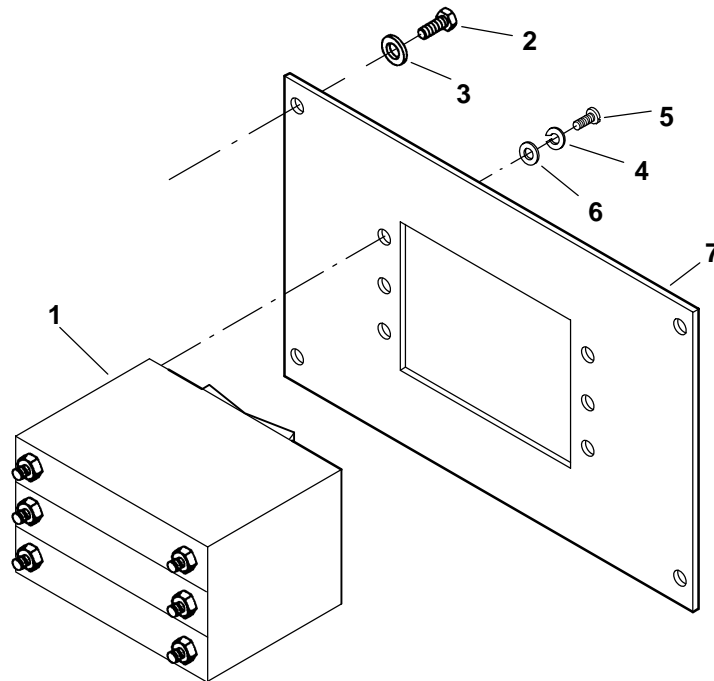
– Parts Included in Control Harness.

Aux Relay Board (Manual/Remote Control) (Begin Spec B)



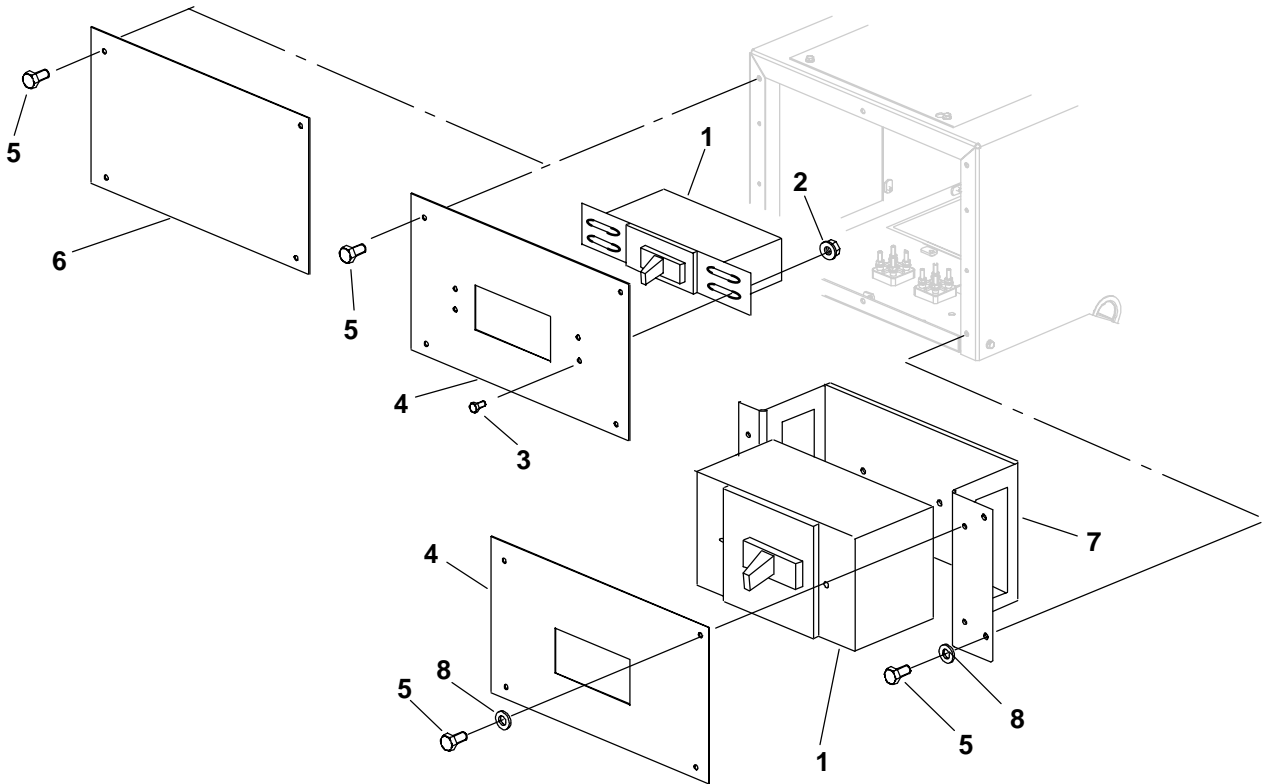
r5REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3601-02	1	Panel, Relay	8	338-3743	1	Harness, Dry Contact (Includes Parts Marked)
2	307-2817-01	2	Relay (K8, K9) (12V)	9	323-1712	AR	*Plug, Cavity
3	821-6001-02	2	Screw, Hex Head Sem (M5 x 0.8 x 12mm)	10	323-1765	1	*Housing, Connector (4 Pin)
4	870-0131	4	Nut, ET Sems	11	323-1709	AR	*Terminal, Socket
5	870-2204	4	Standoff, Male/Female Hex (#10-32)	12	323-1708	AR	*Seal, Cable
6	821-5000-05	4	Screw, Hex Head Sems	* - Parts Included in Dry Contact Harness.			
7	338-3731	1	Harness, Control				

Control Box Back Panel
Manual (Type I) Remote (Type II)
(Spec A)



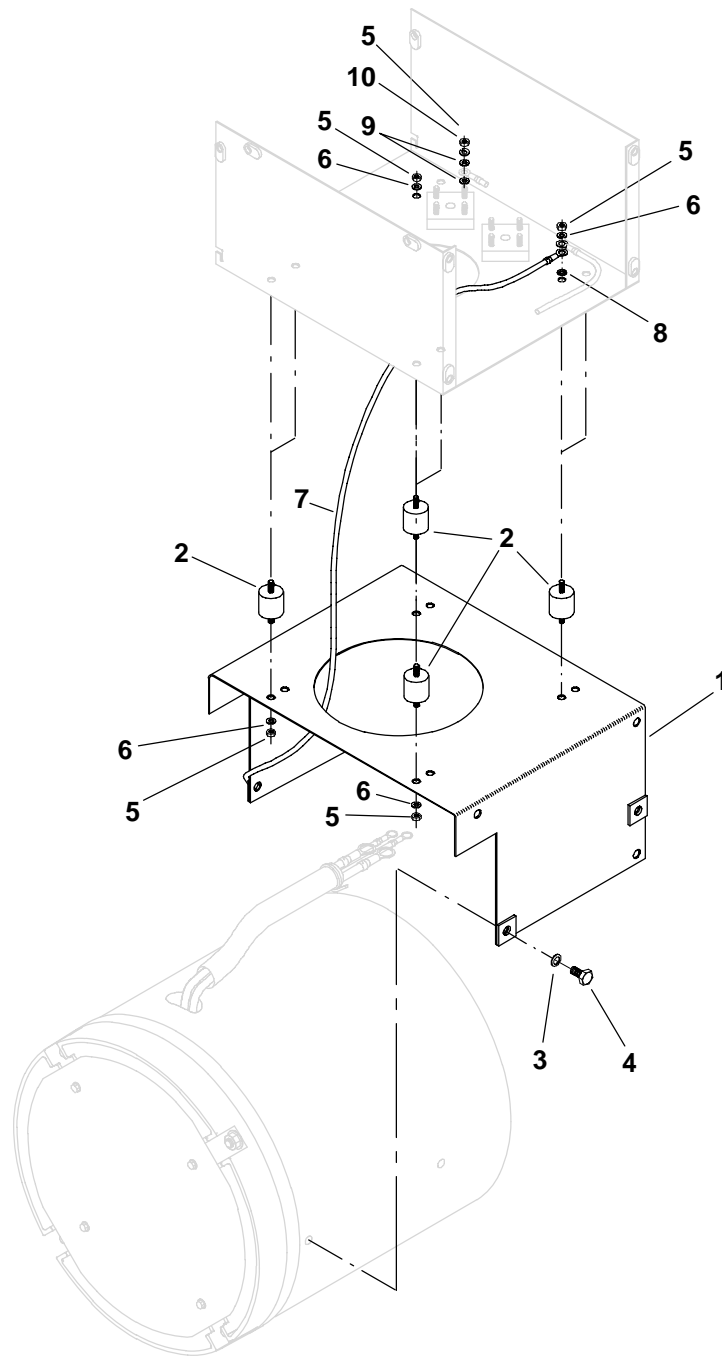
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Breaker, Circuit				
			2 Pole, 240V				
	320-1841-01	1	10A		320-1827-10	1	55A
	320-1841-02	1	15A		320-1827-11	1	60A
	320-1841-03	1	20A		320-1827-12	1	65A
	320-1841-04	1	25A		320-1827-13	1	70A
	320-1841-05	1	30A		320-1827-14	1	75A
	320-1841-06	1	35A		320-1827-15	1	80A
	320-1841-07	1	40A		320-1827-16	1	85A
	320-1841-08	1	45A		320-1827-17	1	90A
	320-1841-09	1	50A		320-1827-18	1	95A
	320-1841-10	1	55A		320-1827-19	1	100A
	320-1841-11	1	60A				600V
	320-1841-12	1	65A		320-1851-01	1	10A
	320-1841-13	1	70A		320-1851-02	1	15A
	320-1841-14	1	75A		320-1851-03	1	20A
	320-1841-15	1	80A		320-1851-04	1	25A
	320-1841-16	1	85A		320-1851-05	1	30A
	320-1841-17	1	90A	2	186-6034	4	Screw (M6 x 1 x 20mm)
	320-1841-18	1	95A	3	186-6591	4	Washer, Flat (M6)
	320-1841-19	1	100A	4			Washer, Lock (#6)
			3 Pole		186-6428	4	2 Pole Circuit Breaker
			480V		186-6428	6	3 Pole Circuit Breaker
	320-1827-01	1	10A	5			Screw (#6-32 x 3/8")
	320-1827-02	1	15A		186-6488	4	2 Pole Circuit Breaker
	320-1827-03	1	20A		186-6488	6	3 Pole Circuit Breaker
	320-1827-04	1	25A	6			Washer, Flat (#6)
	320-1827-05	1	30A		186-6663	4	2 Pole Circuit Breaker
	320-1827-06	1	35A		186-6663	6	3 Pole Circuit Breaker
	320-1827-07	1	40A	7			Panel, Control Box Back
	320-1827-08	1	45A		186-6351	1	W/O Circuit Breaker Hole
	320-1827-09	1	50A				W/Circuit Breaker Hole
					186-6350	1	2 Pole Circuit Breaker
					186-6348	1	3 Pole Circuit Breaker

**Control Box Back Panel
Manual (Type I) Remote (Type II)
(Begin Spec B)**



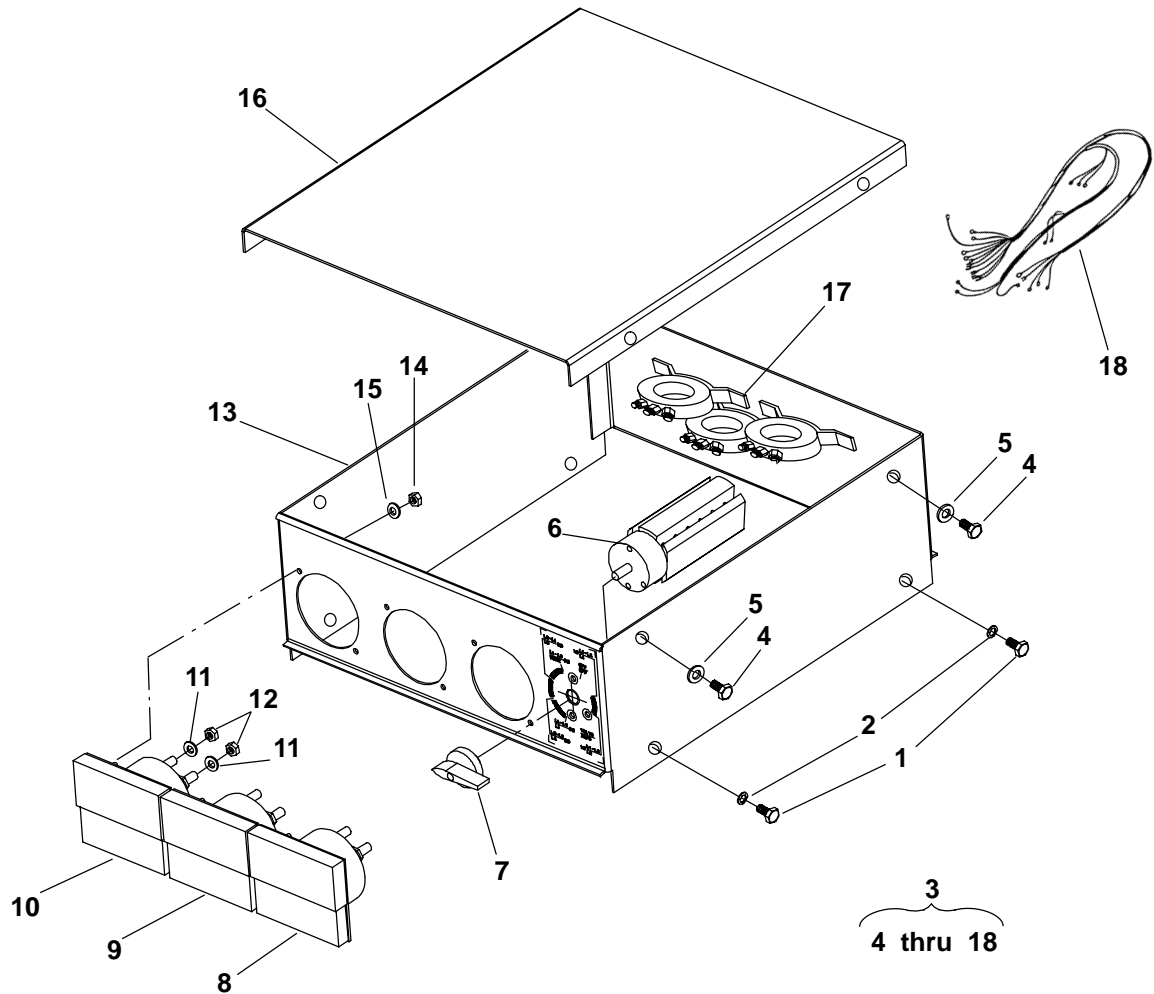
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Breaker, Circuit	2	186-6831	4	Nut, Nylock (M4 x 0.7)
			2 Pole, 240V				(W/2 Pole Circuit Breaker)
	320-2005-11	1	10A	3	186-7078	4	Screw, Hex Head Cap
	320-2005-10	1	15A				(M4 x 0.7 x 16mm)
	320-2005-09	1	20A				(W/2 Pole Circuit Breaker)
	320-2005-08	1	25A	4			Panel, Control Box Back
	320-2005-07	1	30A				(W/Circuit Breaker Hole)
	320-2005-06	1	35A				2 Pole Circuit Breaker
	320-2005-05	1	40A		319-3323	1	15-70A (All Sets)
	320-2005-04	1	45A		319-3325	1	80-125A (GNAC Only)
	320-2005-03	1	50A				3 Pole Circuit Breaker
	320-2005-02	1	60A		319-3824	1	480V Sets
	320-2005-01	1	70A		319-3647	1	600V Sets
	320-2006-04	1	80A	5			Screw, Hex Head Cap
	320-2006-03	1	90A				(M6 x 1 x 16mm)
			3 Pole		186-6546	4	2 Pole CB (and W/O CB)
			480V		186-6546	8	3 Pole CB
	320-2009-11	1	15A	6	319-3324	1	Panel, Control Box Back
	320-2009-10	1	20A				(W/O Circuit Breaker Hole)
	320-2009-09	1	30A	7			Bracket, Circuit Breaker
	320-2009-08	1	40A				(W/3 Pole CB)
	320-2009-06	1	50A		319-3823-02	1	480V Sets
	320-2009-05	1	60A		319-3646-01	1	600V Sets
	320-2009-04	1	70A	8	186-6974	8	Washer, Flat (M6) (W/3 Pole CB)
			600V				
	320-1959-22	1	15A				
	320-1959-21	1	20A				
	320-1959-20	1	30A				

Control Mount Manual (Type I) Remote (Type II)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	186-6352	1	Saddle	5	186-6209	17	Nut, Hex (M6 x 1)
2	186-6311	4	Mount, Vibration	6	186-6617	16	Washer, Spring (M6)
	186-6979	4	2 Cylinder	7	186-6339	1	Strap, Ground
		4	3/4 Cylinder	8	186-6635	1	Washer, EIT (1/4")
3	186-6623	4	Washer, EIT (5/16")	9	186-6591	16	Washer, Flat (M6)
4	186-6622	4	Screw (M8 x 1.25 x 16mm)	10	186-6597	8	Washer, Lock (M6)

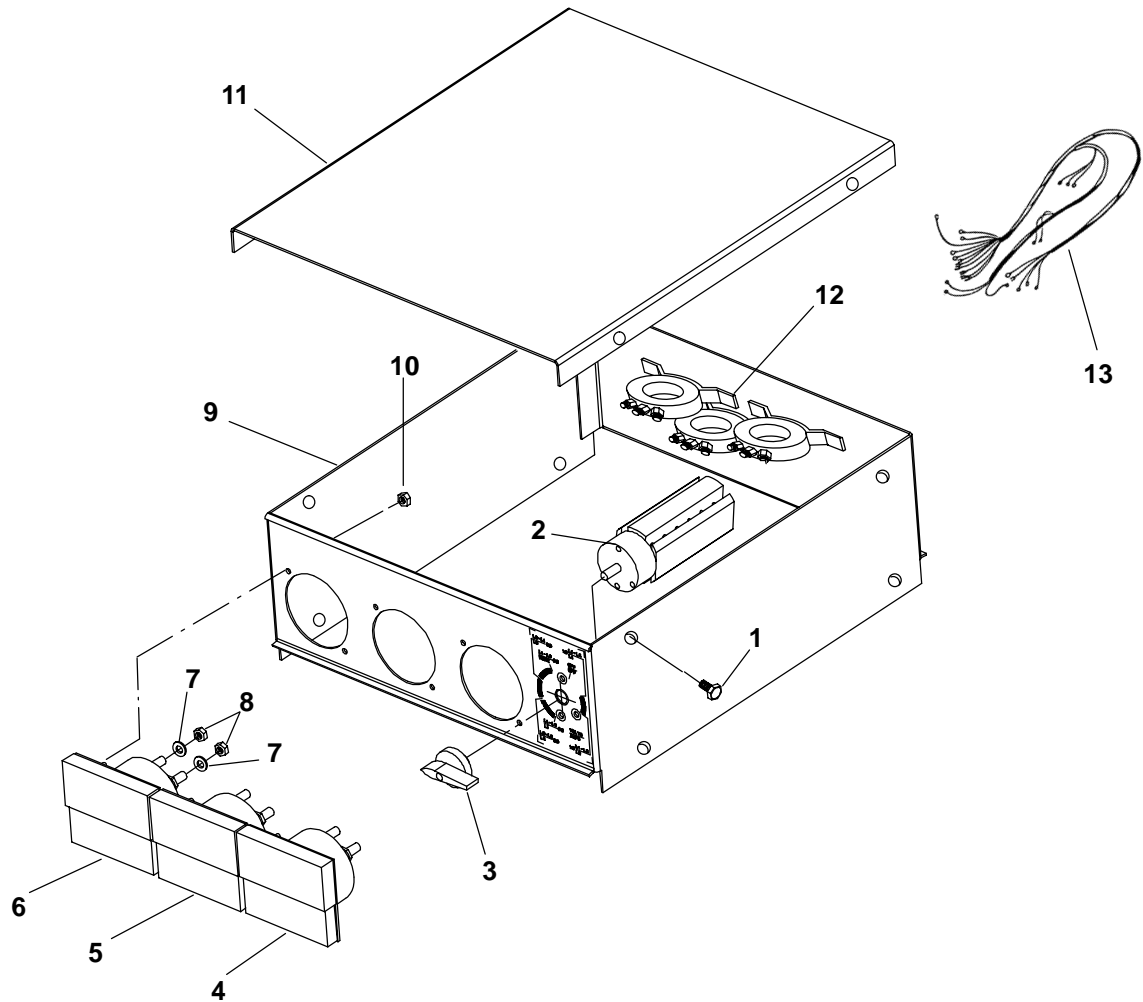
Meter Panel **Manual (Type I) Remote (Type II)** **(Spec A)**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Kit, Meter Panel	8	302-1148	1	+Meter, Volt
	300-5053-01	1	0-15 or 0-30 Amps	9			+Ammeter
	300-5053-02	1	0-50 or 0-100 Amps		302-2033	1	15/30A
1	186-6621	8	Screw, Hex Head Cap (M6 x 1 x 10mm)		302-1473	1	50/100A
2	186-6974	8	Washer (M6)	10	302-1968	1	+Meter, Frequency
3			Box, Control (Includes Parts Marked +)	11	186-7030	8	+Washer (1/4")
	186-6867-01	1	15A Ammeter	12	186-7050	8	+Nut, Hex (1/4-28)
	186-6867-02	1	30A Ammeter	13	186-6863	1	+Box, AC Control
	186-6867-03	1	50A Ammeter	14	186-7040	6	+Nut (4-40)
	186-6867-04	1	100A Ammeter	15	186-7041	6	+Washer (#4)
4	186-6621	4	+Screw, Hex Head Cap (M6 x 1 x 10mm)	16	186-6862	1	+Cover, AC Control
5	186-6974	4	+Washer (M6)	17			+Transformer, Current
6	308-1052	1	+Switch, Phase Selector (Includes Knob)		302-2034-03	3	W/15-30A Ammeter
7	308-1082	1	+Knob, Selector Switch		302-2034-02	3	W/50-100A Ammeter
				18	186-6864	1	+Harness, Wiring

+ - Parts Included in Control Box.

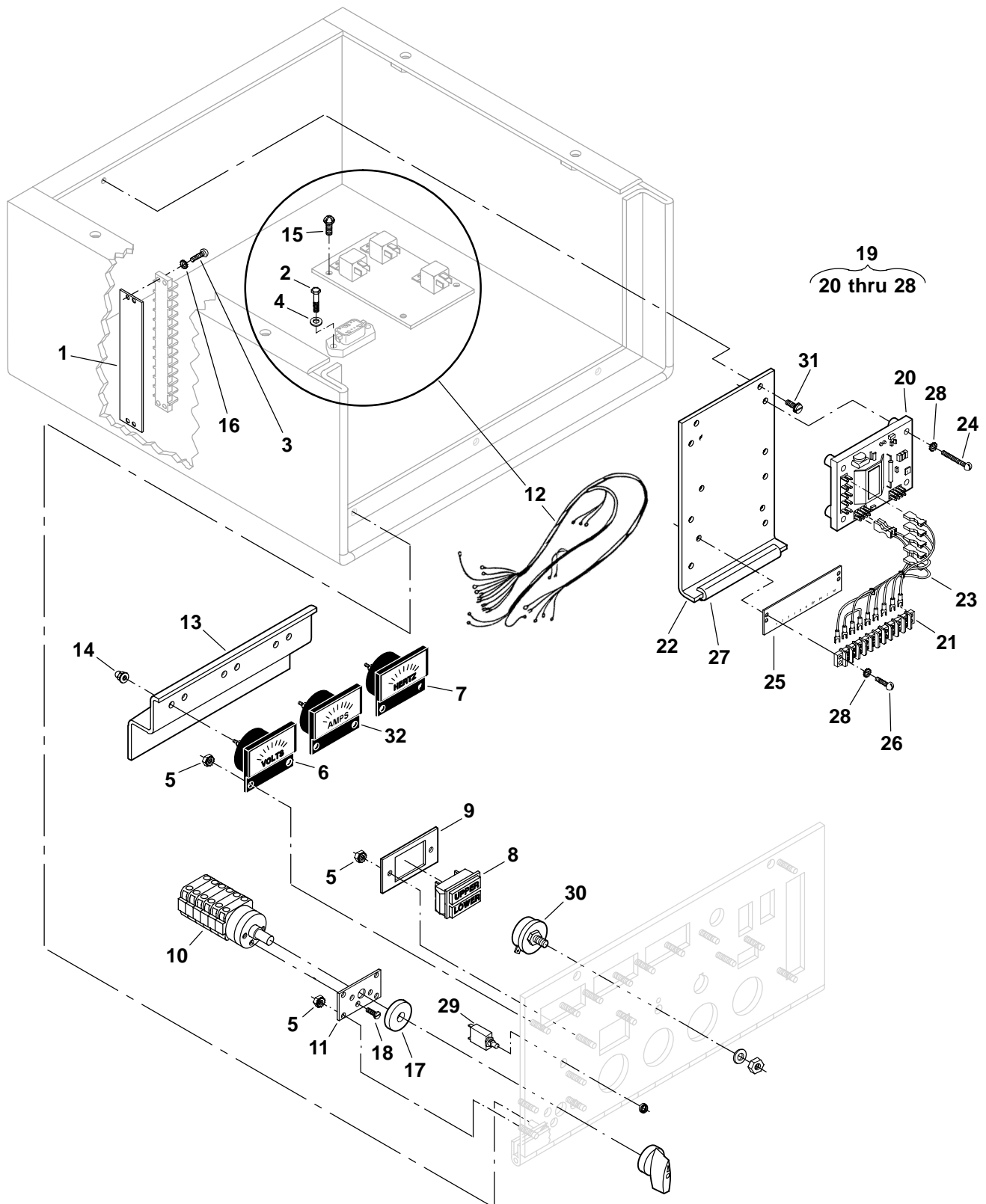
Meter Panel **Manual (Type I) Remote (Type II)** **(Begin Spec B)**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	821-6002-03	4	Screw, Hex Head Sems (M6 x 1 x 16mm)
2	308-1052	1	Switch, Phase Selector (Includes Knob)
3	308-1082	1	Knob, Selector Switch
4	302-1148	1	Meter, Volt
5			Ammeter
	302-2033	1	15/30A
	302-1473	1	50/100A
6	302-1968	1	Meter, Frequency

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
7	186-6933	6	Washer (1/4")
8	186-7050	6	Nut, Hex (1/4-28)
9	300-5215-04	1	Box, AC Control
10	870-1220	6	Nut (4-40)
11	300-5214-02	1	Cover, AC Control
12			Transformer, Current
	302-2034-03	3	W/15-30A Ammeter
	302-2034-02	3	W/50-100A Ammeter
13	338-3775	1	Harness, AC Control

AC Detector Control (Type III) (Spec A)

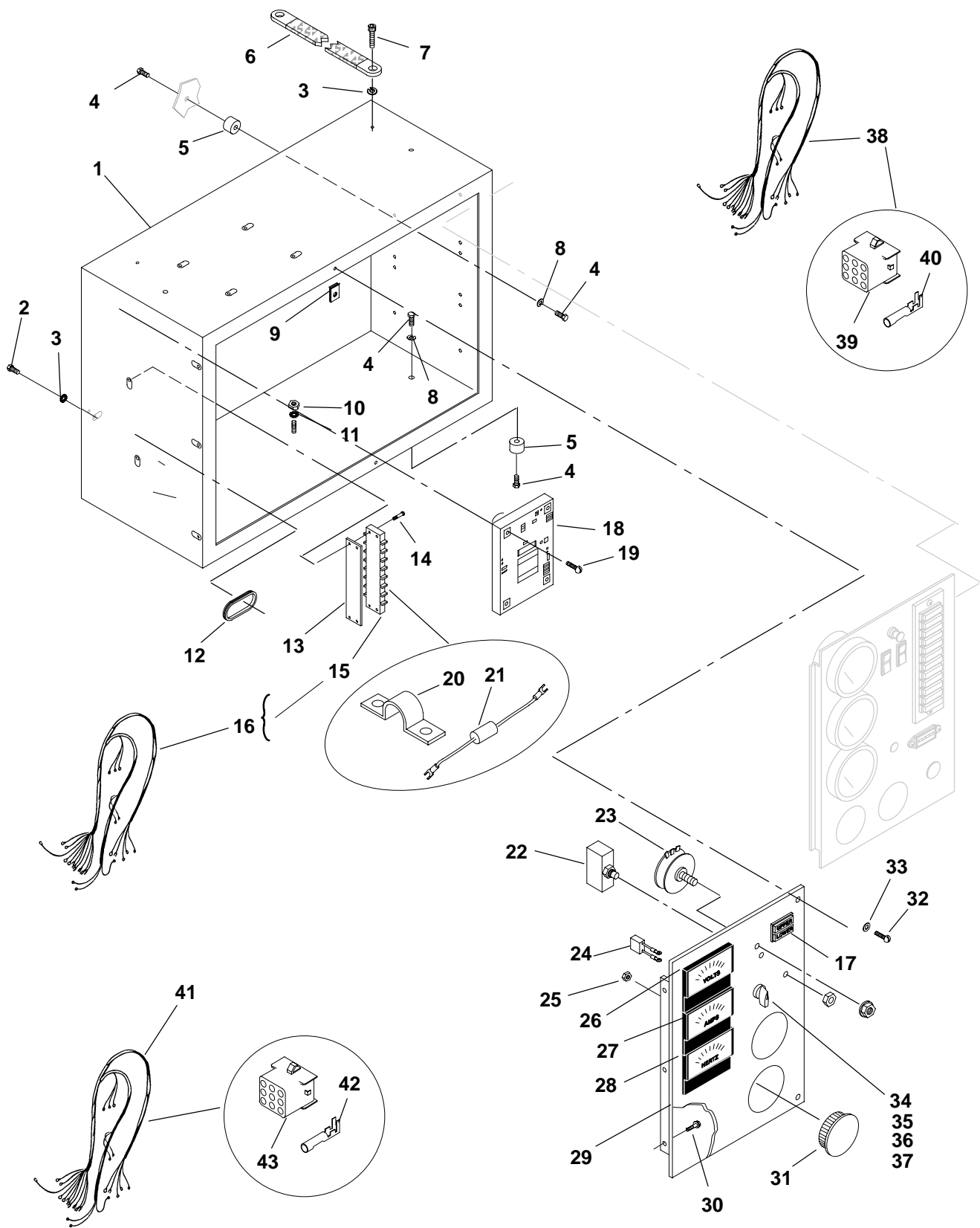


**AC Detector Control
(Type III)
(Spec A)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332-2723	1	Strip, Marker	13	319-2144	1	Cover, Meter
2	800-2033-01	4	Screw, Hex Head Cap (M6 x 1 x 16mm)	14	870-0439	6	Nut, Acorn (1/4-28)
3	812-0028	2	Screw, Round Head Machine (#4-40 x 5/16")	15	815-0550	4	Screw, IT Phillips Cross Recessed (#6-32 x 3/8")
4	526-0422	4	Washer, Nylon Retainer	16	853-0003	2	Washer, ET Lock (#4)
5	870-1220	14	Nut, ET Hex (#4-40)	17	308-1056	1	Gasket, Switch
6			Meter, AC Volt (M21)	18	815-0875-02	3	Screw, Pan Head Machine (M4 x 0.7 x 8mm)
	302-1148	1	Up to 480V	19	305-0949	1	Regulator Assy, Voltage (VR21) (Includes Parts Marked *)
	302-1753	1	600V	20	305-0844	1	*Regulator, Voltage (VR21)
7	302-1968	1	Meter, Frequency (M23)	21	332-0751	1	*Block, Terminal (10 Place)
8	322-0363	1	Lamp, Over/Under (DS21, DS22)	22	305-0884	1	*Plate, Voltage Regulator Mounting
9	319-2141	1	Bracket, Lamp	23	338-3481	1	*Harness, Regulator
10	308-1052	1	Switch, Rotary (Volt & Ammeter)	24	812-0084	4	*Screw (#8-32 x 1")
11	319-2490	1	Bracket, Switch	25	332-3247	1	*Strip, Marker
12	338-2992-01	1	Harness, Control (Includes the Following Indented Parts)	26	812-0082	2	*Screw (#8-32 x 3/4")
	321-0330	1	Holder Assy, Fuse	27	508-0139	1	*Channel, Rubber
	332-0607	1	Block, Terminal	28	835-0005	6	*Washer, ET (#8)
	821-0040	3	Screw, Lock Head Flange (#10-32 x 5/16")	29	320-1688-01	1	Breaker, Circuit (CB21)
	307-2817-02	3	Relay	30	303-0261	1	Potentiometer (R21)
	319-2140	1	Plate, Relay	31	815-0428	2	Screw, ET Pan Head (#10-32 x 3/8")
	323-1633-02	1	Connector, Receptacle (12 Pin)	32			Ammeter (M22)
	323-1633-01	1	Connector, Receptacle (12 Pin)		302-1473	1	0-50, 0-100
	323-1591	3	Plug, Connector		302-2033	1	0-15, 0-30
	350-1222	1	Resistor Assy				
	323-1581	2	Wedge, Receptacle				
	323-1302	8	Pin, Contact				
	323-1308	1	Housing, PCB (12 Pin)				
	323-1200-01	15	Contact, Socket				
	323-1304	2	Housing, Connector (6 Pl)				
	323-1306	1	Housing, Connector (8 Pl)				

* – Parts Included in Voltage Regulator Assy.

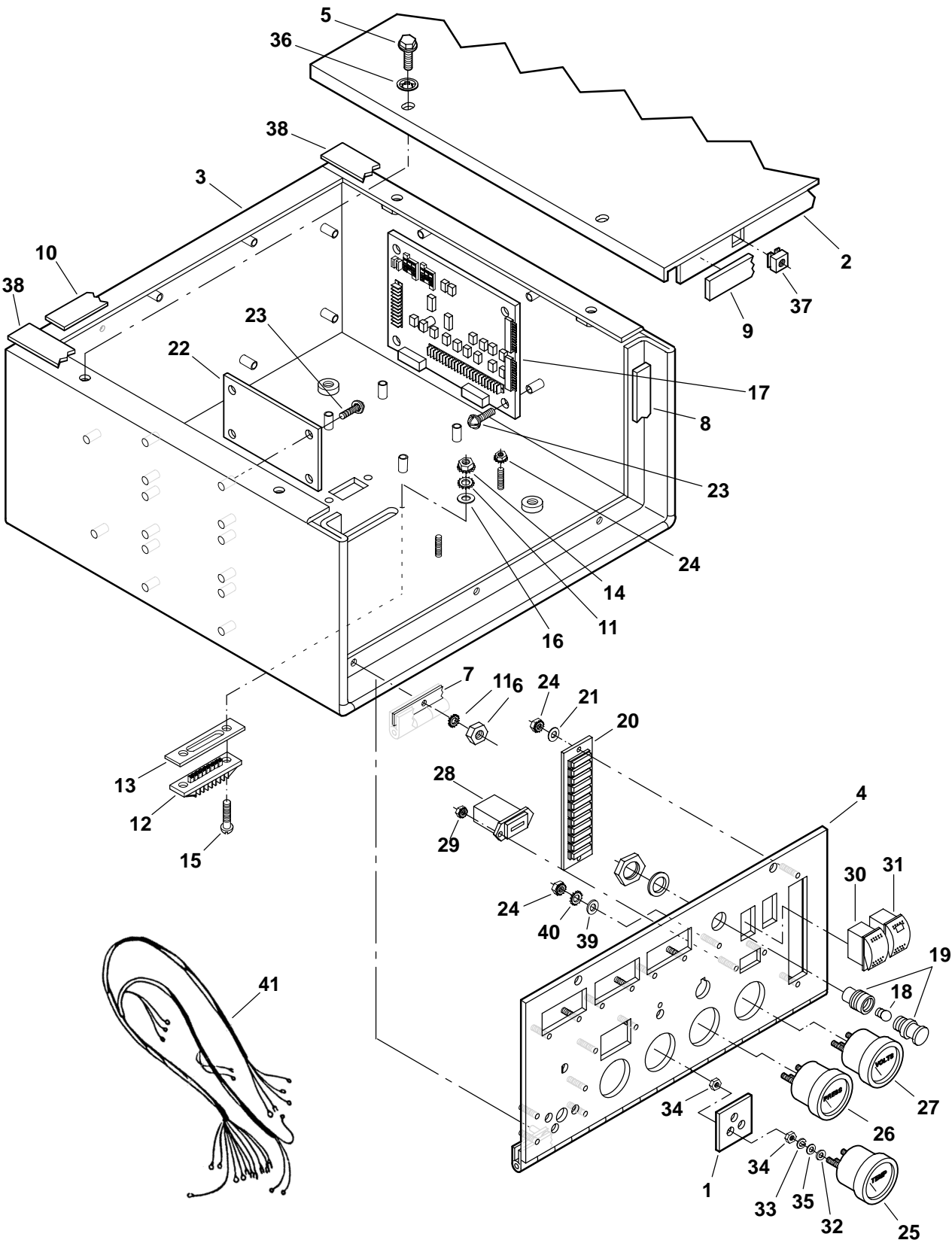
AC Detector Control (Type III) (Begin Spec B)



**AC Detector Control
(Type III)
(Begin Spec B)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3030	1	Box, Control	23	303-0261	1	Potentiometer
2	815-0905-08	1	Screw, Pan Head Cross Recessed (#10-32 x 7/8")	24	355-0189	1	Capacitor, Voltmeter (.1 Mfd., 500 WVDC) (C21)
3	856-0008	2	Washer, EIT Lock (5/16")	25	870-1220	6	Nut, Hex (#4-40)
4	821-0014	8	Screw, Hex Head Cap (5/16-18 x 3/8")	26			Voltmeter, AC (M21)
5	402-0527	4	Isolator, Vibration		302-1148	1	0-300/600
6	337-0049	1	Strap, Ground		302-1753	1	0-0750
7	821-0014	1	Screw, Hex Head Cap (5/16-18 x 1/2")	27			Ammeter, AC (M22)
8	850-0045	4	Washer, Spring Lock (5/16)		302-2033	1	0-15, 0-30
9	406-0332	2	Receptacle, Fastener		302-1473	1	0-50, 0-100
10	871-0015	1	Nut, Hex (1/4-20)	28	302-1968	1	Meter, Frequency (M23)
11	526-0018	1	Washer, Flat (1/4")	29	301-9054-01	1	Door, AC Control
12	508-0051	1	Grommet (Fits 2" Hole)	30	821-0004	3	Screw, Hex Washer Head Self-Locking (#10-32 x 5/16")
13	332-2723	1	Strip, Marker	31	517-0302	1	Grommet (Fits 2-1/2" Hole)
14	815-0901-06	2	Screw, Cross Recessed Thread Forming (#6-32 x 5/8")	32	406-0333	2	Stud, Fastener
15	332-0607	1	Block, Terminal (12 Place) (TB21)	33	406-0334	2	Washer, Stud Retainer
16	338-2278	1	Harness, AC Control Door (Includes Terminal Block) (19 Wire, 26") (TB21, GND to GND, M21,22,23, S21, DS21,22)	34	853-0008	1	Washer, ET Lock (#10)
17	322-0363	1	Light, Upper/Lower Indicator Scale (DS21,22)	35	308-1052	1	Switch, Rotary (Voltmeter/Ammeter (Includes Handle) (S21)
18	305-0844	1	Regulator, Voltage	36	815-0875-02	3	Screw, Round Head Machine (M4 x 8mm)
19	815-0905-08	4	Screw, Cross Recessed (#10-23 x 7/8")	37	308-1082	1	Handle, Rotary Switch
20	332-1043	1	Jumper	38	338-3429	1	Harness, Terminal Block (9 Wire, 11") (Includes Connector Plug and Sockets) (P2 to TB21)
21	350-1222	1	Resistor Assy	39	323-1644-02	1	Plug, Connector (P2)
22	320-1688-01	1	Breaker, Circuit	40	323-1648	9	Socket, Contact
				41	338-3772	1	Harness, AC Aux
				42	323-1647	AR	Pin, Terminal
				43	323-1644-01	1	Housing, Plug

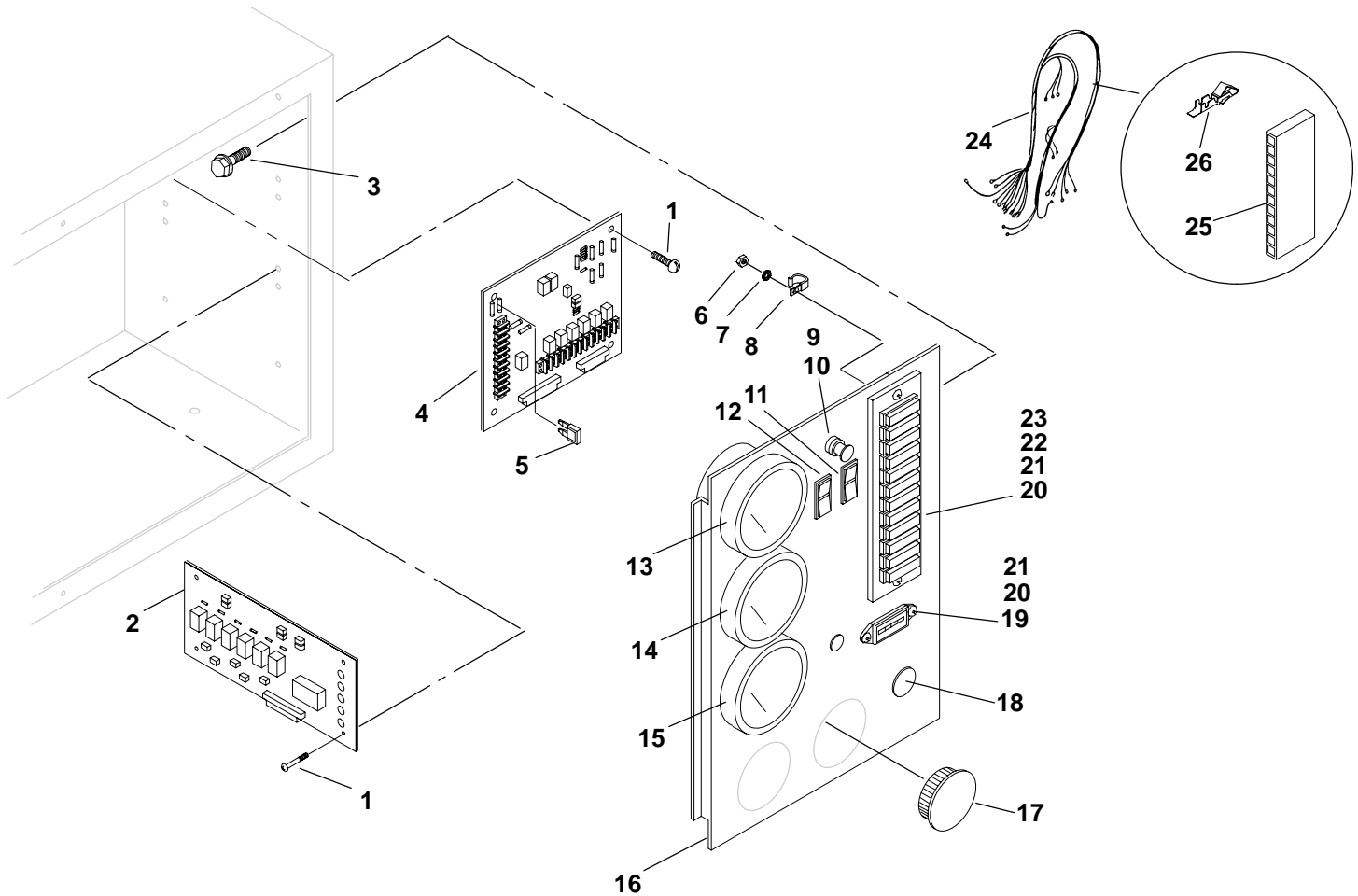
**DC Detector Control
(Type III)
(Spec A)**



**DC Detector Control
(Type III)
(Spec A)**

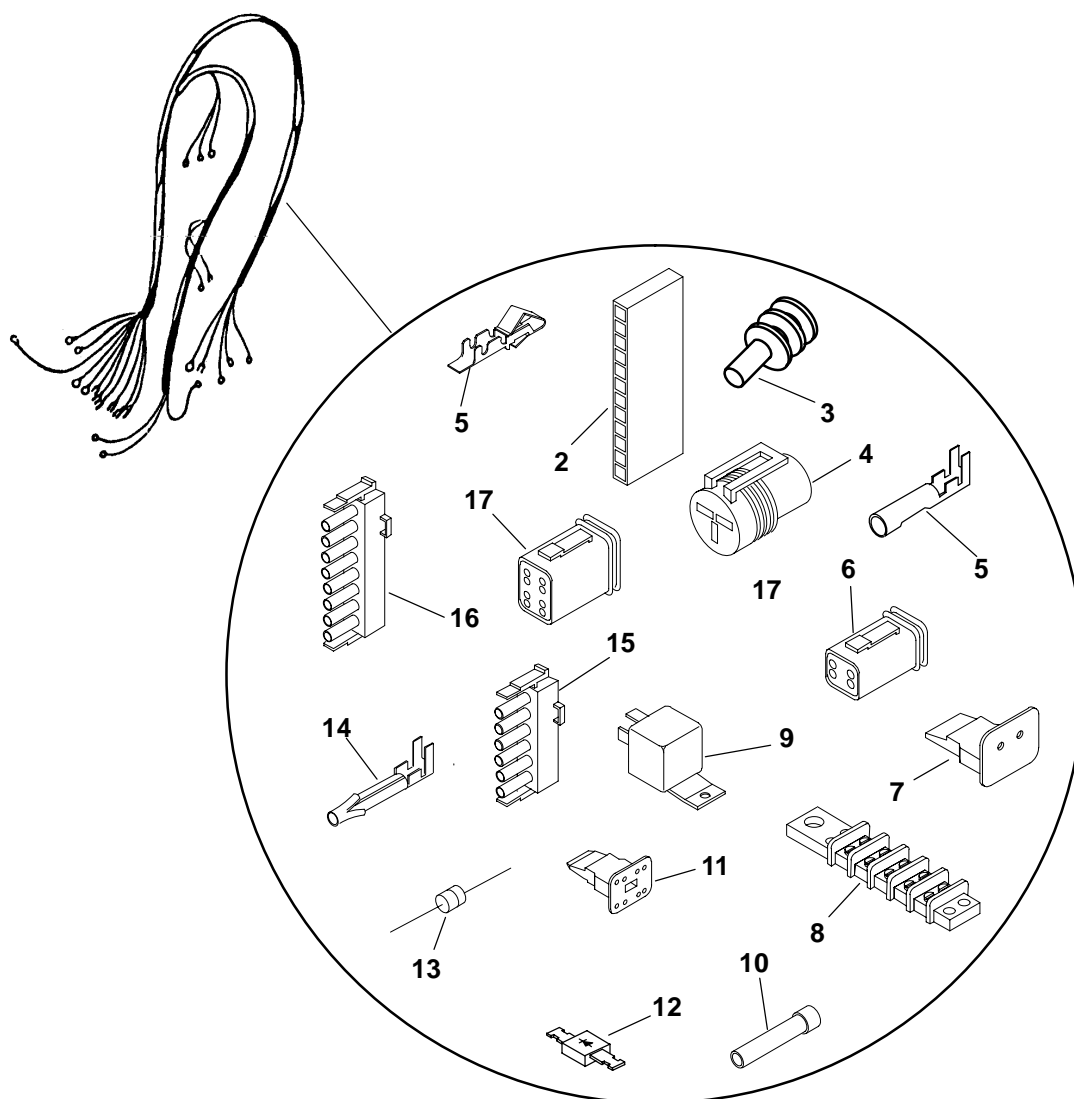
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-4323	1	PCB, Gauge	21	526-0196	2	Washer, Flat (7/32 x 7/16 x 1/8)
2	319-2100-01	1	Cover, Control Box	22	300-2898	1	Board, Time Delay Start/Stop /Preheat (12V)
3	319-2105	1	Box, Control	23	815-0550	8	Screw, IT Round Head Machine Cross Recessed (#6-32 x 3/8")
4	319-2491-03	1	Panel, Control	24	870-0183	4	Nut, ET Hex (#6-32)
5	800-2034-01	6	Bolt, Hex Head Cap (M6 x 1 x 20mm)	25	193-0351	1	Gauge, Water Temperature (M12)
6	860-2006	3	Nut, Hex (M5 x .8)	26	193-0466	1	Gauge, Oil Pressure (M11)
7	895-0337	1	Gasket, Hinge	27	302-1641	1	Meter, Volt (12V) (M13)
8	895-0336	2	Gasket, Side	28	302-0885	1	Meter, Running Time (M14)
9	895-0338	1	Gasket, Top	29	870-1220	4	Nut, ET Hex (#4-40)
10	895-0339	1	Gasket, Cover	30	308-1011	1	Switch, Run/Stop/Remote (S12)
11	853-0008	5	Washer, ET Lock (#10)	31	308-1010	1	Switch, Reset/Lamp Test (S11)
12	332-3239	1	Block, Terminal	32	526-0049	13	Washer, Flat Brass (#10)
13	332-3244	1	Gasket, Terminal Block	33	850-0030	5	Washer, Lock (#10)
14	870-0131	6	Nut, ET Hex (#10-32)	34	871-0010	10	Nut, Hex Brass (#10-32)
15	813-0108	2	Screw, Round Head Machine Slotted (#10-32 x 1.5")	35	526-0409	8	Washer, Nylon
16	526-0008	2	Washer, Flat (#10)	36	526-0422	6	Washer, Nylon Retainer
17	300-4296	1	Board, Engine Monitor (12V, 12 Light)	37	870-2195	2	Nut, Captive Floating
18	322-0004	1	Lamp (12V) (DS11)	38	895-0353	2	Gasket, Cover (Sides)
19	322-0361	1	Light, Panel (DS11)	39	526-0002	1	Washer, Flat (#6)
20	322-0360-01	1	Lamp Assy (12V, 12 Light) (A12) (Includes the Following Indented Lights)	40	853-0005	1	Washer, ET Lock (#8)
	322-0238		Run (Green)	41	186-6365	1	Harness, Engine
	322-0241		Pre Lo Oil Pres (Amber)				
	322-0240		Pre Hi Eng Temp (Amber)				
	322-0108		Lo Oil Pres (Red)				
	322-0109		Hi Eng Temp (Red)				
	322-0111		Overspeed (Red)				
	322-0107		Overcrank (Red)				
	322-0167		Blank (Amber)				
	322-0110		Lo Eng Temp (Amber)				
	322-0113		Lo Fuel (Amber)				
	322-0283		Switch Off (Red)				
	322-0136		Blank (Red)				
	322-0168		Blank (Amber)				

**DC Detector Control
(Type III)
(Begin Spec B)**



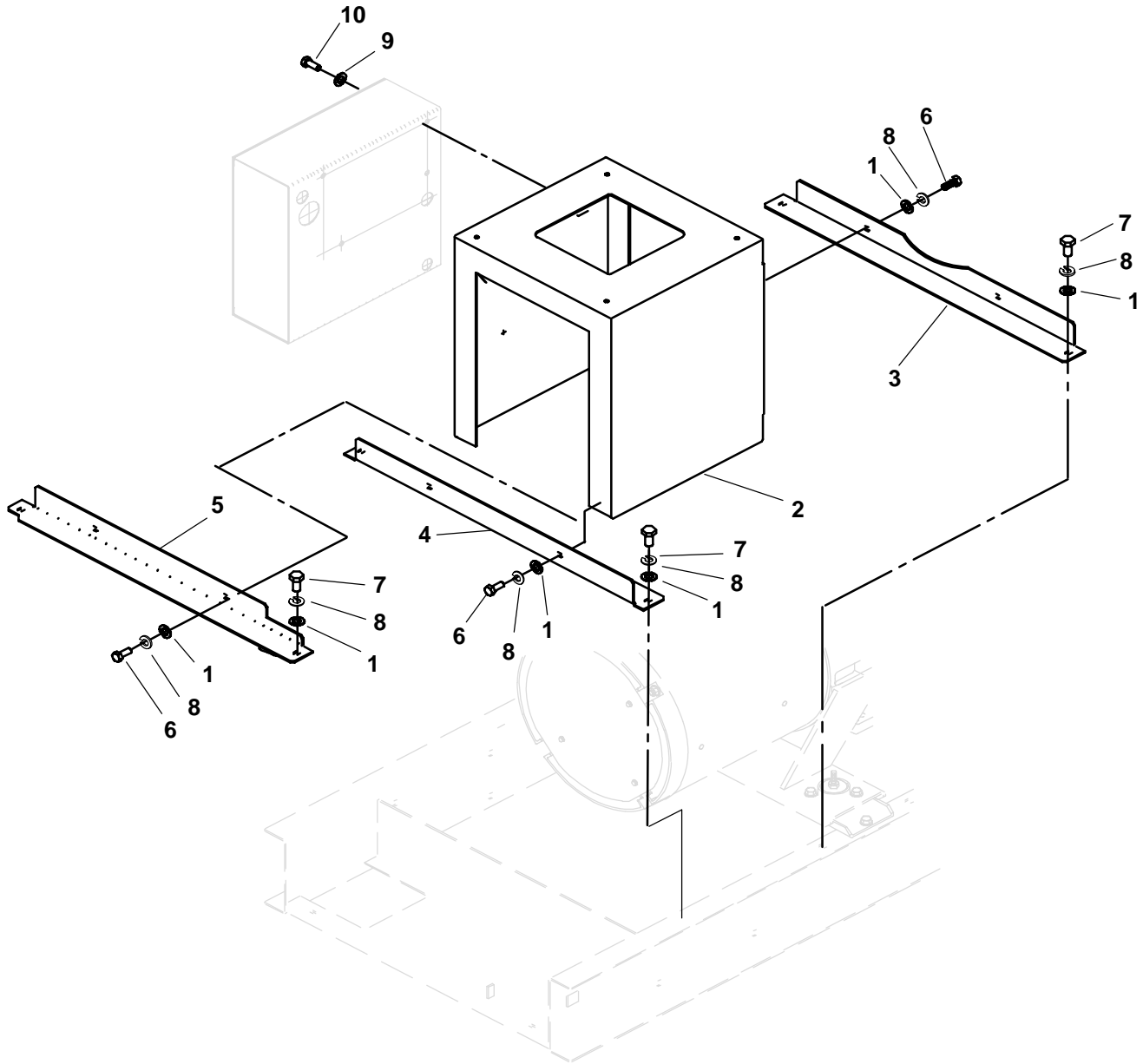
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	815-0388	8	Screw, Pan Head Cross Recessed (#6-32 x 1/2")	14	193-0351	1	Gauge, Water Temperature (M12)
2	300-5098-01	1	Board, PC Sensor Board (A27)	15	302-1641	1	Meter, Voltage (M13)
3	821-0004	3	Screw, Hex Washer Head Self-Locking (#10-32 x 5/16")	16	301-9055-01	1	Door, DC Control
4	300-4296	1	Board Assy, PC Engine Monitor (Includes Fuses) (A11)	17	517-0301	1	Plug, Hole (Fits 2" Hole)
5			Fuse	18	517-0131	1	Plug, Hole (Fits 7/8" Hole)
	321-0307-03	2	5 Amp (Tan) (F4, F5)	19	302-2002	1	Meter, Hour (M14)
	321-0307-06	1	15 Amp (Light Blue) (F3)	20	870-0183	4	Nut, ET Hex (#6-32)
	321-0307-07	2	20 Amp (Yellow) (F1, F2)	21	815-0385	4	Screw, Round Head Machine (#6-32 x 1/2")
6	870-0131	1	Nut, ET Hex (#10-32)	22	322-0360-01	1	Light Assy, Indicator (Includes Wiring Harness and Connector Housing) (A12)
7	853-0008	1	Washer, ET Lock (#10)	23	322-0369-01	1	Light, Replacement Indicator
8	332-0052	2	Clip, Wire	24	338-3252	1	Harness, DC Control Door (Includes Connector Housing and Contact Pins) (22 Wire, 32") (A11J4 to GND, M11,12,13,14, S11,12, DS11)
9	322-0004	1	Bulb, Panel Replacement Light				
10	322-0361	1	Light, Panel (DS11)	25	323-1308	1	Housing, Connector (J4)
11	308-1010	1	Switch, Rocker (Lamp Test/Reset Panel Lamp) (S11)	26	323-1302	11	Pin, Contact
12	308-1011	1	Switch, Rocker (Run/Stop/Remote) (S12)				
13	193-0466	1	Gauge, Oil Pressure (M11)				

Detector Control Engine Harness (Begin Spec B)



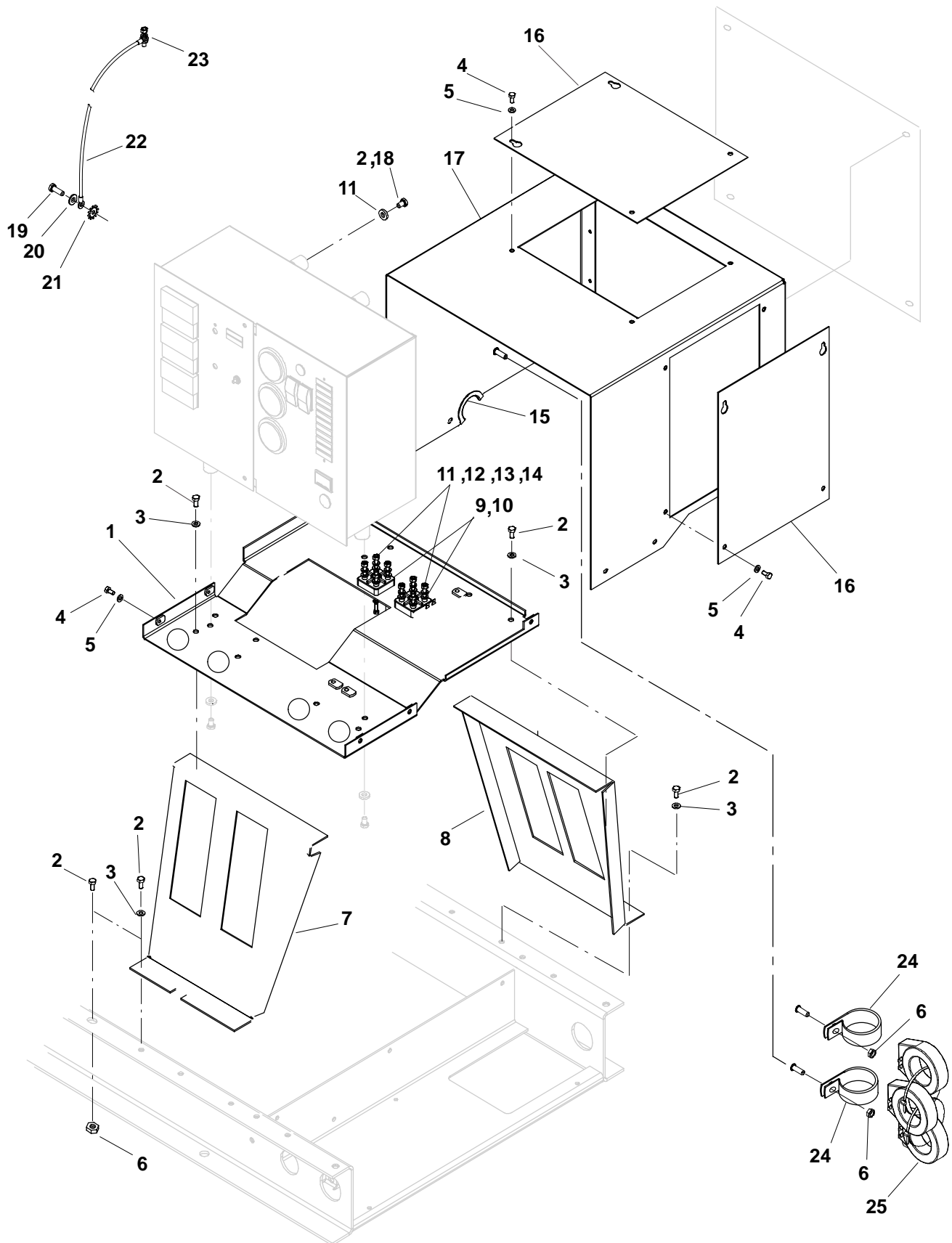
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	338-3739	1	Harness, Engine	9	307-2817-01	2	Relay (12V)
1	323-1302	1	Contact, Socket	10	323-1591	4	Connector, Plug
2	323-1374-12	1	Connector, Housing (J3) (12 Pin)	11	323-1543	AR	Wedge, Plug (P2) (8 Pin)
3	323-1708	1	Seal, Cable	12	357-0030	AR	Rectifier, Silicon (6A, 400V)
4	323-1765	1	Connector, Housing (4 Pin)	13	351-1599-42	1	Resistor (24 Ohms, 5W)
5	323-1709	1	Socket, Terminal	14	323-1200	AR	Socket, Contract
6	323-1546	1	Plug (4 Pin)	15	323-1304	1	Housing, Connector (6 Pl)
7	323-1548	1	Wedge, Plug (4 Pin)	16	323-1306	1	Housing, Connector (8 Pl)
8	332-3276-01	1	Bracket Assy, Terminal (T26)	17	323-1541	1	Plug, 8 Pin (P2)

**Detector Control Mount
(Type III)
(Spec A)(GNAA, GNAB)**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	186-6975	8	Washer, Flat (M8)	6	186-6668	4	Screw, Hex Head Cap (M8 x 1.25 x 16mm)
2	186-6878	1	Saddle, Detector Box Mounting	7	186-6064	4	Screw, Hex Head Cap (M8 x 1.25 x 20mm)
3	186-6871	1	Rail, Front Detector Box Support	8	186-6529	8	Washer, Spring (M8)
4	186-6872	1	Rail, Rear Detector Box Support (Use W/Single Wall Fuel Tank)	9	186-6623	4	Washer, EIT (5/16")
5	186-6879	1	Rail, Rear Detector Box Support (Use W/Dual Wall Fuel Tank)	10	186-6622	4	Screw (M8 x 1.25 x 16mm)

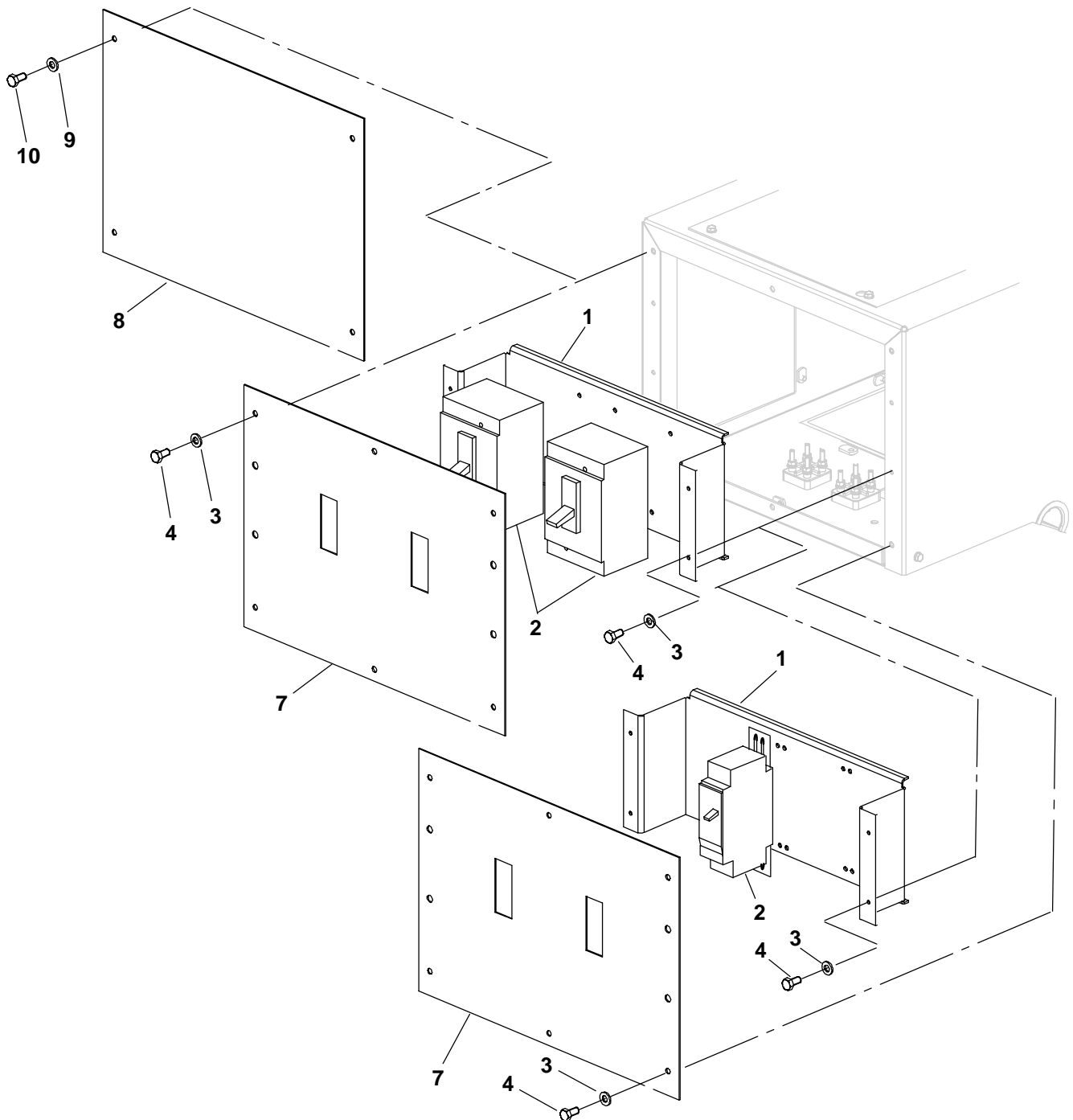
Detector Control Mount (Type III) (Begin Spec B)



**Detector Control Mount
(Type III)
(Begin Spec B)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3613	1	Bottom, Control Box	13	186-7076	2	Washer, Flat (M5)
2	186-6064	8	Screw, Hex Head Cap (M8 x 1.25 x 20mm)	14	800-2004	2	Screw, Hex Head Cap Thread Cutting (M5 x .8 x 1mm)
3	186-6975	8	Washer, Flat (M8) (Rear Mounted Brackets)	15	186-7077	1	Edging (3")
4	186-6037	14	Screw, Hex Head Cap (M6 x 1 x 12mm)	16	319-3316	2	Cover, Control Housing
5	186-6974	14	Washer, Flat (M6)	17	319-3612	1	Top, Control Box Housing
6			Nut, Hex (M8 x 1.25)	18	800-0024	4	Screw, Hex Head Cap (5/16-18 NC x 1/2")
	186-6274	2	For Rear Mounted Brackets	19	186-7075	1	Screw, Hex Head Thread Cutting (5/16-18 x 1/2")
	186-6274	4	For Front and Middle Mounted Brackets	20	186-7086	2	Washer, Flat (3/8")
7	186-7113	1	Bracket, Control Saddle	21	862-0003	2	Nut, Hex (3/8-16)
8	186-7114	1	Bracket, Control Saddle	22	186-6339	1	Cable, Ground
9	186-6597	9	Washer, Spring Lock (M6)	23	862-0001	1	Nut, Hex (1/4-20)
10	186-6209	9	Nut, Hex (M6)	24	186-7080	2	Clamp, Tubing (1-1/4")
11	186-6187	21	Washer, Flat (5/16")	25			Transformer
12	332-3249	2	Block, Terminal		302-2034-02	3	W/50-100A Ammeter
					302-2034-03	3	W/15-30A Ammeter

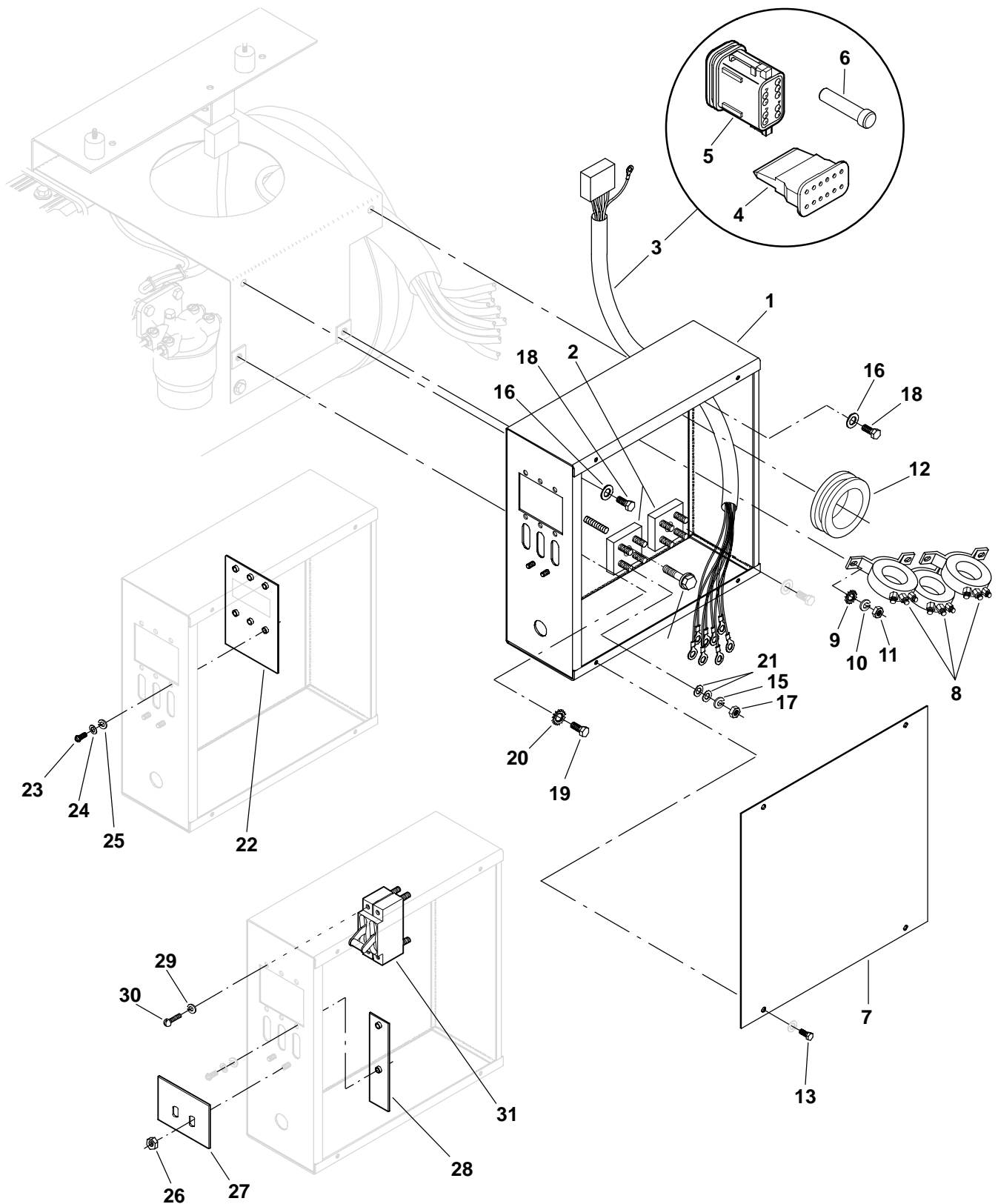
**Detector Control
Circuit Breaker
(Begin Spec B)**



**Detector Control
Circuit Breaker
(Begin Spec B)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Bracket, Mounting	5			Nylock (M4 x 0.7)
	319-4135	1	2 Pole CB		186-6831	4	Single CB
			3 Pole CB		186-6831	8	Dual CB
	319-3825	1	480V Sets	6			Screw, Hex Head Cap
	319-3643-02	1	600V Sets				(M4 x 0.7 x 10mm)
2			Breaker, Circuit		186-7079	4	Single CB
			2 Pole, 240V		186-7079	8	Dual CB
	320-2005-11	1	10A	7			Panel, CB
	320-2005-10	1	15A				W/Circuit Breaker
	320-2005-09	1	20A				2 Pole
	320-2005-08	1	25A		319-3826	1	Single CB
	320-2005-07	1	30A		319-3827	1	Dual CB
	320-2005-06	1	35A				3 Pole CB
	320-2005-05	1	40A				480V Sets
	320-2005-04	1	45A		319-3826	1	Single CB
			3 Pole		319-3827	1	Dual CB
			480V				600V Sets
	320-2009-11	1	15A		319-3640-02	1	Single CB
	320-2009-10	1	20A		319-3641	1	Dual CB
	320-2009-09	1	30A	8	319-3611	1	Cover, Control Housing
			600V				(W/O Circuit Breaker)
	320-1959-21	1	20A	9	186-6973	4	Washer, Flat (M6)
	320-1959-20	1	30A	10	186-6037	4	Screw, Hex Head Cap
3	186-6974	10	Washer, Flat (M6)				(M6 x 1 x 12mm)
4	186-6037	10	Screw, Hex Head Cap				
			(M6 x 1.0 x 12mm)				

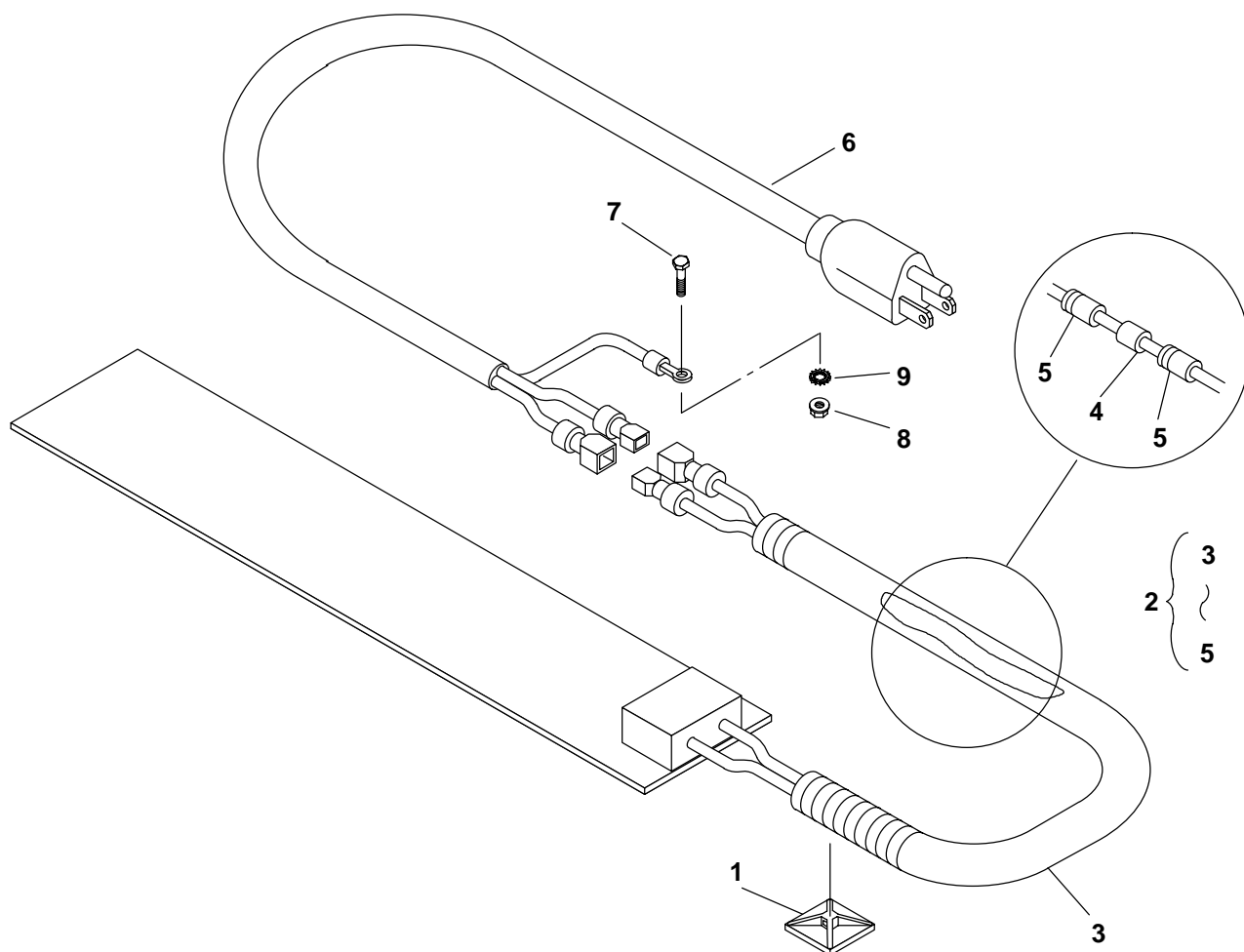
Output Box Detector Control (Type III)



Output Box Detector Control (Type III)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3102	1	Panel, Control Box Side	31			Breaker, Circuit
2	332-3249	2	Block, AC Terminal				2 Pole
3	338-2990	1	Harness, AC Generator	320-1841-02	1		15A
			(Includes Wedge and Plugs)	320-1841-03	1		20A
4	323-1583	1	Wedge, Plug (12 Pin)	320-1841-04	1		25A
5	323-1582-02	1	Plug (12 Pin)	320-1841-05	1		30A
6	323-1591	11	Plug, Connector	320-1841-06	1		35A
7	319-3131	1	Cover, Control Box	320-1841-07	1		40A
8	302-1984-03	3	Transformer, Current	320-1841-08	1		45A
9	856-0006	1	Washer, EIT Lock	320-1841-09	1		50A
10	850-2056	6	Washer, Spring Lock	320-1841-10	1		55A
11	860-2057	6	Nut, Hex	320-1841-11	1		60A
12	508-1057	1	Grommet	320-1841-12	1		65A
13	821-6002-03	4	Screw, Hex Head (M6 x 0.8)	320-1841-13	1		70A
14	821-2023	2	Screw, Lock Flange	320-1841-14	1		75A
15	186-6597	8	Washer, Lock (M6)	320-1841-15	1		80A
16	186-6618	2	Washer, Spring (M8)	320-1841-16	1		85A
17	186-6209	8	Nut, Hex (M6 x 1)	320-1841-17	1		90A
18	186-6668	2	Screw, Hex Head Cap	320-1841-18	1		95A
			(M8 x 1.25 x 16mm)	320-1841-19	1		100A
19	186-6622	1	Screw, Hex Head Cap				3 Pole
			(M8 x 1.25 x 16)	320-1827-02	1		15A
20	186-6623	1	Washer, EIT (5/16")	320-1827-03	1		20A
21	186-6591	16	Washer, Flat (M6)	320-1827-04	1		25A
				320-1827-05	1		30A
Without Circuit Breaker, Use:				320-1827-06	1		35A
22	319-2184	1	Plate, Cover	320-1827-07	1		40A
23	186-6488	6	Screw (#6-32 x 3/8")	320-1827-08	1		45A
24	186-6663	6	Washer, Flat (#6)	320-1827-09	1		50A
25	186-6428	6	Washer, Lock (#6)	320-1827-10	1		55A
				320-1827-11	1		60A
With Circuit Breaker, Use:				320-1827-12	1		65A
26	186-6913	2	Nut, Lock (M6 x 1)	320-1827-13	1		70A
27	186-6386	1	Cover, CB	320-1827-14	1		75A
28	319-2185	1	Plate, CB Cover (Use With	320-1827-15	1		80A
			2 Pole CB Only)	320-1827-16	1		85A
29	186-6428	6	Washer, Lock (#6)	320-1851-01	1		10A
30	186-6488	6	Screw (#6-32 x 3/8")	320-1851-02	1		15A
				320-1851-03	1		20A
				320-1851-04	1		25A
				320-1851-05	1		30A

Control Heater



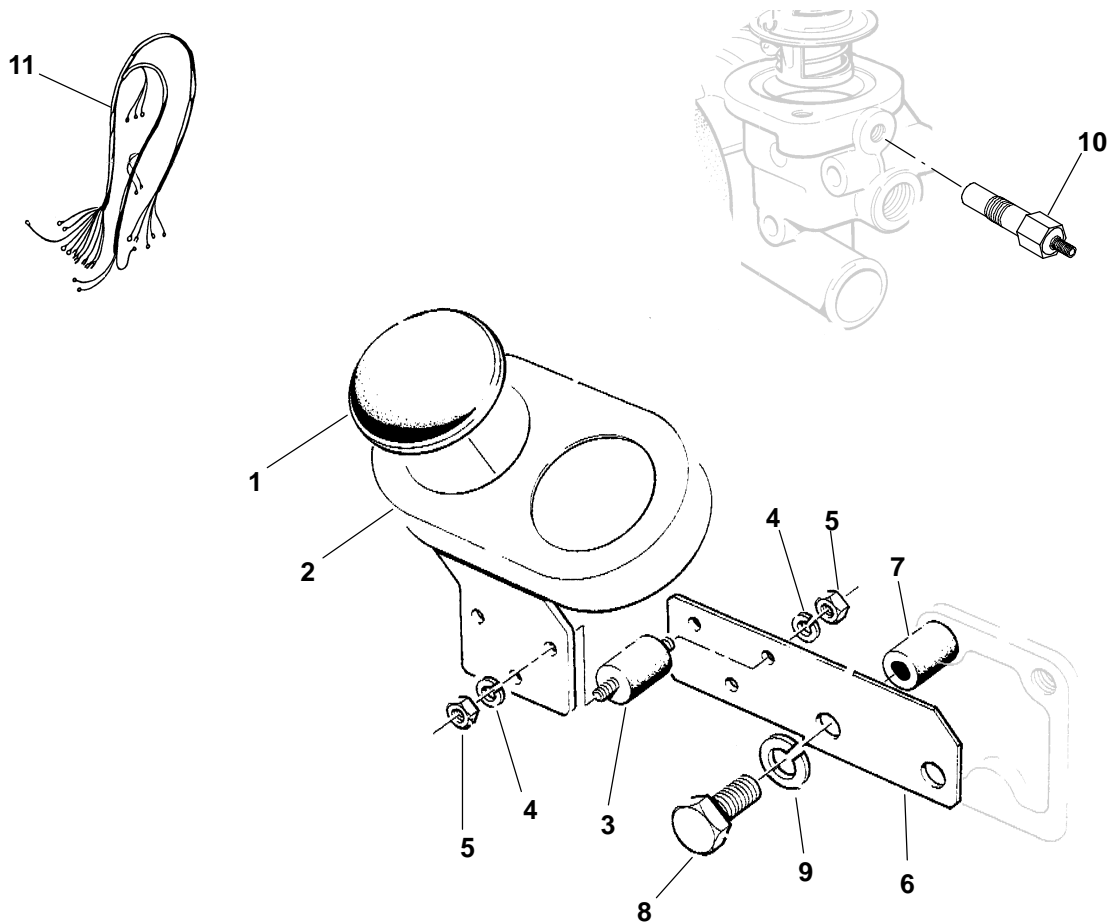
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	300-4438	1	Kit, Control Heater 120V (Includes Parts Marked *)	4	357-0114	1	Rectifier, Power
	300-4439-00	1	W/O Cord (Includes Parts Marked +)	5	332-1789	2	Splice, Window (18 Gauge)
	300-4439-01	1	W/Cord (Includes Parts Marked + and #)	6	335-0173	1	* 120V
1	332-3338	2	+*Mount, Cable Tie		335-0173-01	1	# 240V
2			Heater Assy, Control (Includes Heater, Rectifier and Splice)	7	800-0024	1	#*Screw, Hex Head Cap (5/16-18 x 3/4)
	300-4514-01	1	* 120V	8	870-0257	1	#*Nut, Self Locking Hex (5/16-18)
	300-4515-02	1	+ 240V	9	856-0008	2	#*Washer, Lock EIT (5/16)
3			Heater, Control (120V)				
	333-0550-01	1	120V				
	333-0550-02	1	240V				

* – Parts Included in 120V Control Heater Kit.

+ – Parts Included in 240V Control Heater Kits W/ and
W/O Cord.

– Parts Included in 240V Control Heater Kit W/Cord.

**Gauge Panel
Manual (Type I)
Remote (Type II)**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	193-0475	1	Kit, Temperature/Voltmeter	5	186-7206	6	Nut
1			Meter/Gauge	6	186-7047	1	Bracket, Mounting
	186-7029	1	Gauge, Temperature	7	186-7033	2	Spacer
	186-7034	1	Meter, Volt	8	800-2070	2	Screw, Hex Head Cap
2	186-7048	1	Panel, Double Gauge	9	186-6671	2	Washer, Spring (M10)
3	186-7060	3	Mount, Flexible	10	186-7032	1	Sender, Temperature
4	186-7042	6	Washer, Spring	11	186-7035	1	Harness, Wiring

Gasket Sets

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			+Set, Decarbonizing Gasket (Includes Parts Marked *)				Set, Overhaul Gasket (Includes all listed in Decarbonizing Set Plus Parts Marked +)
186-6211	1		GNAA	186-6213	1		GNAA
186-6485	1		GNAB	186-6487	1		GNAB
186-6210	1		GNAC	186-6212	1		GNAC
			*Gasket, Cylinder Head Cover	-			#+Gasket, End Cover (Cork)
186-6117	2		GNAA	186-6147			+Gasket, End Cover (Paper)
186-6117	3		GNAB				+Gasket, Crankcase Door
186-6117	4		GNAC				
			*O'Ring, Cylinder Head Cover	186-6010	1		GNAA
186-6028	4		GNAA	186-6405	1		GNAB
186-6028	6		GNAB	186-6012	1		GNAC
186-6028	8		GNAC	186-6017	1		+Gasket, Fuel Lift Pump
			*Gasket, Inlet Manifold				+Shims, Main Bearing Housing
186-6202	2		GNAA	186-6065	1		.38mm
186-6202	3		GNAB	186-6066	1		.50mm
186-6202	4		GNAC	186-6129	2		+O'Ring, Speed Control
			*Gasket, Exhaust Manifold	186-6131	1		+Washer, Speed Control (M5)
186-6206	2		GNAA	186-6163	6		+Washers, Fuel Filter
186-6206	3		GNAB				+Seal, Oil
186-6206	4		GNAC	186-6063	1		Flywheel End
			*Rubber, Bottom Sealing Tube	186-6148	1		Gear End
186-6100	4		GNAA				
186-6100	6		GNAB				
186-6100	8		GNAC				
			*Rubber, Top Sealing Tube				
186-6102	4		GNAA				
186-6102	6		GNAB				
186-6102	8		GNAC				
			*Washer, Sealing Tube Rubber				
186-6101	4		GNAA				
186-6101	6		GNAB				
186-6101	8		GNAC				
			*Washer, Injector (No Hole in Center)				
186-6173	2		GNAA				
186-6173	3		GNAB				
186-6173	4		GNAC				
-	-		#*Washer, Injector (Hole in Center)				
-	-		#*Seal, Valve Stem				
			*Seal, Valve Stem				
186-6257	4		GNAA				
186-6257	6		GNAB				
186-6257	8		GNAC				
186-6180	1		*Gasket, Water Pump				
186-6184	2		*O'Ring, Water Pump				
186-6182	1		*Gasket, Water Pump Mounting Plate				
186-6190	1		*Gasket, Thermostat Housing				

– Discard. Not Used on GN Series.

* – Parts Included in Decarbonizing Gasket Set.

+ – Parts Included in Overhaul Gasket Set.

Labels

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	098-6195	1	Label, Caution				Label, Reconnection Diagram
			Label, Control Panel	098-7356	1		Spec A
			(Start/Run/Off)				Begin Spec B
	186-6308	1	Manual	098-7356	1		Manual/Remote Control
	186-6309	1	Remote	098-7356-01	1		Detector Control
	098-5347	4	Label, Danger (Hazardous	098-7364	1		Label, Sealed Battery
			Voltage	098-7548	1		Label, Switch
	098-7553	1	Label, Hourmeter	098-2304	1		Label, Warning (Voltage)
	098-6139-08	2	Label, Logo	098-4732	1		Label, Warning (Automatic Start
	098-6304	1	Label, Loose Leads	098-4798-01			Label, Warning (Rotating Parts)
			Label, On/Off/Start Switch	098-5759	1		Label, Warning (Backfeed
	186-6302	1	Manual				Utility)
	186-6309	1	Remote				Label, Warning (Skid Lift)
	098-7554	1	Label, Phase Selection	098-5822-01	1		GNAB
				098-5822-01	2		GNAC
				098-6074-02	1		Label, Warning (Operation,
							Maintenance, Service Risk)
				098-7367	1		Label, Oil/Ground Drain-
							Made In England
				098-5387	2		Label, Voltage Disconnect

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